FOR A GOOD REASON

GRUNDIG

Video surveillance 2013/14

About Grundig

Grundig manufactures security products for professional installers and integrators. Grundig is a world leader in the security market. Its products have a reputation for outstanding design, functionality and build quality.

The Grundig security product range includes cameras, recorders, monitors, software and transmitters. They are all easy to use and deliver exceptional video quality. The range spans IP, analogue and HD-SDI technologies, allowing installers to select the right technology for every application.

Grundig security products offer intuitive installation, set-up and operation.
They are user-friendly and practical, with many installation benefits. These include vandal and weather-resistance, numerous mounting methods and extensive integration and compatibility.

German video security excellence - by Grundig.

For more information visit www.grundig-security.com.

The Grundig approach.

Designed by
Grundig Intermedia Design Team, Germany

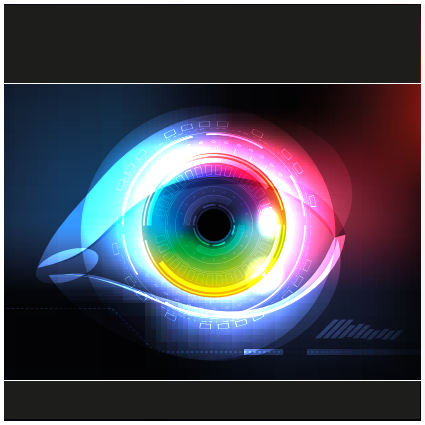
The Grundig brand has an outstanding reputation within the professional and consumer electronics markets.
The company has kept close to its German roots and focused on its strengths of world-class design and manufacture. High-quality, exceptional functionality and simple operation are central to every Grundig product.

Grundig invests heavily in new product development, ensuring that its products are relevant, have exceptional performance and utilise the latest technologies available.

We create our new designs together with the Grundig Intermedia Design Team to assure excellent design according to the Grundig values.

Grundig promotes and markets its brand, creating demand for its products and services. Comprehensive market experience and expertise are used to inform about new product development, keeping Grundig at the forefront of the security industry.

IP 8
IP Camera Matrix 108



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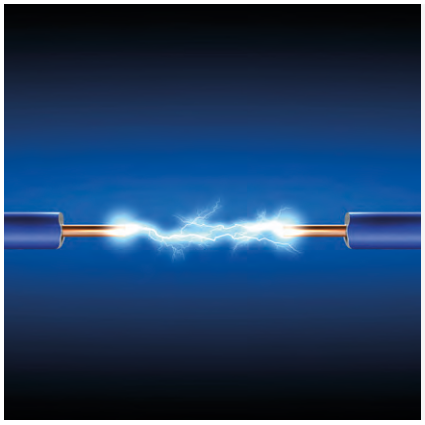

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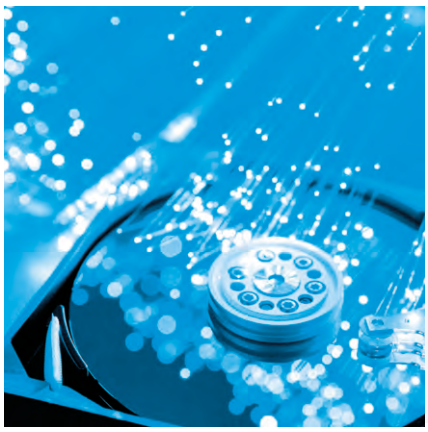

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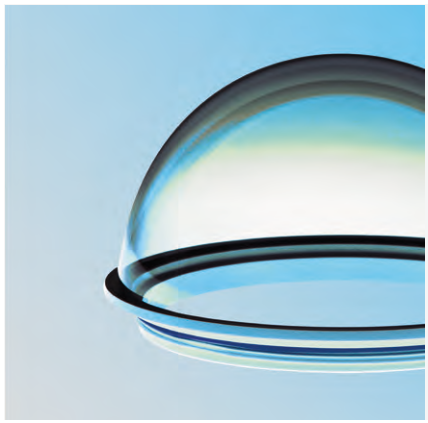

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IP

IP significantly increases the effectiveness of video surveillance systems.

Grundig has embraced IP technology, incorporating it into an extensive IP CCTV camera range. The range includes PTZ and anti-vandal domes, for internal and external applications, a fisheye camera, a traditional box camera and a specialist, compact camera. Each Grundig IP camera has impressive functionality, meeting stringent surveillance requirements.

Outstanding image quality

Grundig network cameras offer outstanding image quality, even when rapid scene movement occurs. They offer a choice of 720 pixel HD and 1080 pixel full HD with 25 fps in 16:9 format.

1080P Full HD High Resolution Image

Standard Resolution Image

Ease of installation and set up

Grundig IP network cameras are designed for quick and simple installation. Most models are IP and analogue compatible, allowing simple integration into most existing surveillance systems. Their network connection also enables remote software upgrades when new developments and enhancements occur. Grundig IP cameras are compatible with the internationally recognized Open Network Video Interface Forum (ONVIF) standard, Profile S.

Grundig's set up software allows the operator to check and adjust camera network settings, using a single on-screen menu page. This eliminates the need for time consuming and complicated camera configuration. Camera configuration profiles can also be copied from one camera to another within a system, making set up fast and efficient. Time, date and camera ID data can be transmitted as part of the image data file for display in playback mode. This can be essential for evidential purposes in some applications.

System security and safety

Grundig network cameras contain built-in security features for comprehensive data and network protection. In addition to a Login, the cameras provide several security features for authorised user access. These include image transmission protection options and the ability to create certified access levels to both specific cameras and the data stored within a system.

Grundig network cameras include a wide range of analytics tools like motion detection, alarm input and tamper alarm.
When an incident occurs, the cameras record to the system DVRs, initiate the transfer of emails, http notifications and FTP uploads or activate the camera's alarm output.

Mobile phone and tablet access

A built-in webserver allows designated users to access, view, monitor and control Grundig IP cameras from anywhere in the world, at any time. The images can be viewed via a web-enabled, standard mobile phone, smartphone or tablet. Users are also immediately alerted to any alarms, enabling them to react quickly, wherever they are.

High temperature capability

Grundig network cameras are designed and built to generate very little excess heat. As a result, they will operate perfectly well in areas of constant high temperature, such as in direct sunlight.

i Grundig also offers outdoor cameras with built-in heaters and fans to operate in harsh environments and at temperatures as -low as -35°C.

Grundig camera integration list

Grundig cameras are compatible with most leading suppliers' video management systems (VMS). They also include the ONVIF Profile S standard, should a particular VMS not yet be integrated.

For further information on compatibility and integration, please visit www.grundig-security.com.

GCI-H0503B

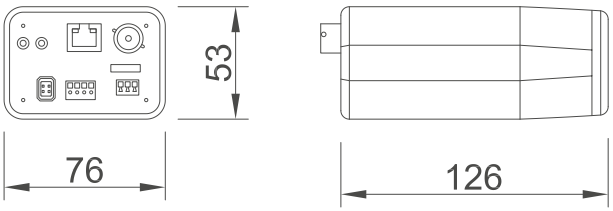
ONVIF | Hybrid | Day & Night | Smart-phone | DNR | WDR

HIGHLIGHTS	1.3 MP Stream at 25fps with WDR, ICR and low light capability	GCI-H0503B

Key features and benefits

- High sensitivity CCD sensor for low light applications
- True day/night with WDR function and 3D digital noise reduction
- Dual Video Stream (H.264, MJPEG, MPEG4)
- Micro SD/SDHC memory card slot for alarm and scheduled recording
- Power options 12VDC, 24VAC, PoE

Dimensions



Item code	Brief description
GCI-H0503B	1.3 MP HD CCD Box IP-Camera ICR WDR low light capability

	GCI-H0503B
Image Sensor:	1/3"" Sony Progressive CCD, 1.3 megapixel
Col/B&W:	Auto, On, Off, SMART, removable IR-cut filter
Pixels - Total:	1280 (H) x 960 (V)
Sensitivity Colour:	0.05 Lux@F1.2 (IRE50)
Sensitivity B&W:	0.005 Lux@F1.2 (IRE50)
Lens Mount:	C/CS mount
Lens Drive Type:	Auto iris (DC)
Motion Detection:	On/ Off/ Sensitivity/ Area setting
Privacy Zones:	5 zones, rectangle
Backlight compensation:	On/Off
Wide Dynamic Range:	On/Off
White Balance:	Auto, Indoor, Outdoor, Manual
Camera ID:	20 characters
Digital Noise Reduction (DNR):	On/Off
Shutter Speed:	1 sec to 1/10,000 sec
Alarm Inputs:	1
Alarm Outputs:	1
Number of Clients:	Up to 20 users
Web Browser:	MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari
Onvif:	Profile S
Video Compression:	Dual stream: H.264+H.264, H.264+MJPEG, MJPEG+BNC, H.264+BNC or MJPEG+MPEG-4
Video Resolution	
- Dual stream:	1280x960 (12,5fps); 1280x960 (12,5fps)
- Dual stream:	1280x960 (12 fps), 1280x720 (25 fps)
- Dual stream:	1280x720 (25fps), 1280x720 (25fps)
SD Memory:	Supports up to 32 GB capacity of micro SD/SDHC memory
Network Protocol:	IPv4, IPv6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, 802.1x and SNMP
Alarm Event:	Alarm Input, Motion Detection or Schedule: Image transfer or alarm message by FTP, Image transfer or alarm message by E-mail, recording on SD-card, enable alarm output
Audio Compression:	G.726, G.711
LED Indicator:	Power, link, active
Input/Output sockets:	Video Out (BNC), Power(3-Pin Term), RJ-45, Micro SD Card Slot, Alarm Terminal 4-Pin (Alarm In 2-Pin, Alarm Out 2-Pin), Audio (2 mini Jack 3.5mm), Auto-Iris (4-Pin)
Video Outputs:	1 CVBS 1 Vpp (BNC)
Firmware Upgrade:	Firmware upgrade by Web Browser
Configuration:	Upload & Download configuration on remote PC
Operating Temperature:	-10°C ~ +50°C
Humidity:	10 ~ 90% no condensation
Supply Voltage:	12 VDC / 24 VAC / PoE IEEE 802.3af
Power Consumption:	6 W
Weight:	0,36 kg
Dimension (W*H*D):	76 x 53 x 126 mm

Grundig reserves the right to change specifications without notice

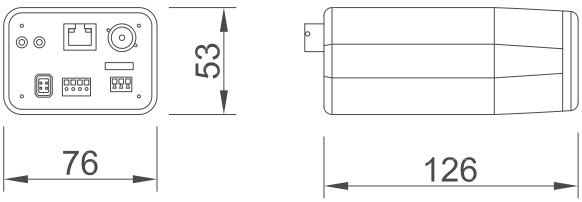
GCI-K1603B, GCI-K1607B, GCI-K1503B, GCI-F0505B, GCI-G0509B

		ONVIF	Hybrid	Day & Night	Smart phone	DNR	WDR
HIGHLIGHTS	Cost-effective professional camera with 13fps						GCI-K1603B
	Cost-effective professional camera with 13fps and true day/night						GCI-K1607B
	Full HD real-time 25fps with true day/night						GCI-K1503B
	3 MP professional camera with 15fps and true day/night						GCI-F0505B
	5 MP professional camera with 10fps and true day/night						GCI-G0509B

Key features and benefits

- Quad video stream (H.264, MJPEG)
- Vertical view for corridor format
- 3D digital noise reduction and digital WDR function
- Micro SD/SDHC memory card slot for alarm and scheduled recording
- Network failure detection
- Bi-directional audio support

Dimensions



Item code	Brief description
GCI-K1603B	2 MP Full HD CMOS IP box camera with soft day/night WDR
GCI-K1607B	2 MP Full HD CMOS IP box camera with ICR & WDR
GCI-K1503B	2 MP Full HD realtime CMOS IP box camera with ICR & WDR
GCI-F0505B	3 MP Full HD CMOS IP box camera with ICR & WDR
GCI-G0509B	5 MP Full HD CMOS IP box camera with ICR & WDR

	GCI-K1603B	GCI-K1607B	GCI-K1503B	GCI-F0505B	GCI-G0509B
Image Sensor:	1/2.7" CMOS, 2 Megapixel			1/2.8" CMOS, 3 Megapixel	1/3,2" CMOS, 5 Megapixel
Col/B&W:	Auto, On, Off, SMART, fixed IR-cut filter	Auto, On, Off, SMART, removable IR-cut filter			
Pixels - Total:	1920(H) x 1080(V)			2048 (H) x 1536 (V)	2592 (H) x 1944 (V)
Sensitivity Colour:	0.5 Lux@F1.2 (IRE50)				
Sensitivity B&W:	-	0.1 Lux@F1.2 (IRE50)			
Lens Mount:	C/CS mount				
Lens Drive Type:	Auto iris (DC)				
Motion Detection:	On/ Off/ Sensitivity/ Area setting				
Privacy Zones:	5 zones, rectangle				
Backlight compensation:	On/Off				
Wide Dynamic Range:	On/Off				
White Balance:	ATW, AWB, Manual				
Camera ID:	20 characters				
Digital Noise Reduction (DNR):	On/Off				
Shutter Speed:	1 sec to 1/10,000 sec				
Alarm Inputs:	1				
Alarm Outputs:	1				
Number of Clients:	Up to 20 users				
Web Browser:	MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari				
Onvif:	Profile S				
Video Compression:	Single Stream: H.264 or MJPEG, Quad Stream: H.264+H.264+H.264+H.264 or H.264+H.264+H.264+MJPEG				
Video Resolution:					
- Single Stream:	1920 x 1080 (13 fps)		1920x1080(25 fps)	2048x1536(15 fps)	2592x1944(10 fps)
- Dual Stream:	1920 x 1080 (13 fps) + 1280 x 1024 (13 fps)		1920x1080 (2 x13 fps)	2048x1536(13 fps) + 1280x720(15 fps)	2592x1944(10 fps) + 720x576(10 fps)
- Triple Stream:	1920 x 1080 (13 fps) + 1280 x 1024 (13 fps) + 800 x 600 (13 fps)		1920x1080(13 fps) + 12080x1024(13 fps) + 1280x720(13 fps)	2048x1536(13 fps) + 1280x720(15 fps) + 720x576(15 fps)	2592x1944(10 fps) + 720x576(2 x 10 fps)
- Quad Stream:	1920 x 1080 (13 fps) + 1280 x 1024 (13 fps) + 720 x 576 (13 fps) + 352 x 288 (13 fps)		1920x1080(13 fps) + 1280x1024(13 fps) + 1280x720(13 fps) + 720x576(13 fps)	2048x1536(13 fps) + 1280x720(15 fps) + 720x576(15 fps) + 640x480(15 fps)	2592x1944(10 fps) + 720x576(2 x 10 fps) + 352x288(10 fps)
SD Memory:	Micro SD/SDHC				
Network Protocol:	IPv4, IPv6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, 802.1x and SNMP				
Alarm Event:	Alarm Input, Motion Detection or Schedule: Image transfer or alarm message by FTP, Image transfer or alarm message by E-mail, recording on SD-card, enable alarm output				
Audio Compression:	G.726, G.711				
LED Indicator:	Power, link, active				
Input/Output sockets:	Video Out(BNC), Power (3-Pin Term), RJ-45, Micro SD Card Slot, Alarm Terminal 4-Pin (Alarm In 2-Pin, Alarm Out 2-Pin), Audio (2 mini Jack 3.5mm), Auto Iris (4-Pin)				Video Out(BNC), Power(3-Pin Term), RJ-45, Micro SD Card Slot, Terminal 7-Pin (Alarm In 2-Pin, Alarm Out 2-Pin, RS-485 3-Pin), Audio (2 mini Jack 3.5mm), Auto Iris (4-Pin)
Video Outputs:	1Vpp, BNC				
Firmware Upgrade:	Firmware upgrade by Web Browser				
Configuration:	Upload & Download configuration on remote PC				
Operating Temperature:	-10°C ~ +50°C				
Humidity:	10 ~ 90% no condensation				
Supply Voltage:	12 VDC / PoE IEEE 802.3af				12 VDC / 24 VAC / PoE IEEE 802.3af
Power Consumption::	4 W				
Weight:	0.36 kg				
Dimension (W*H*D):	76 x 53 x 126 mm				

Grundig reserves the right to change specifications without notice

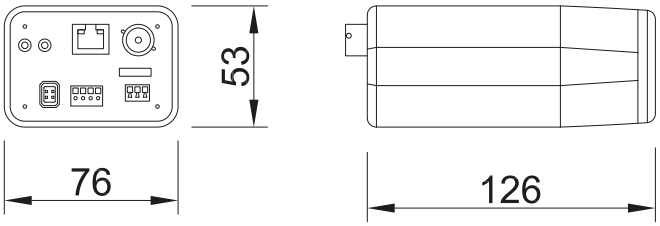
GCI-H2505B, GCI-K2505B

		Hybrid	Day & Night	Smart phone	DNR	WDR
HIGHLIGHTS	1.3MP CMOS camera with 60fps, WDR (130dB) and low light capability					
	Full HD CMOS camera with 60fps, WDR and low light capability					

Key features and benefits

- High sensitivity CMOS sensor for low light applications
- Streaming video at up to 60fps
- True day/night with 3D digital noise reduction
- Quad video stream (H.264, MJPEG)

Dimensions



Item code	Brief description
GCI-H2505B	1.3 MP HD CMOS IP box camera ICR WDR low light capability
GCI-K2505B	2 MP Full HD CMOS IP box camera ICR WDR low light capability

	GCI-H2505B	GCI-K2505B
Image Sensor:	1/3" progressive CMOS, 1.3 Megapixel (Quad shutter)	1/2.8" progressive CMOS, 2 Megapixel (Dual shutter)
Col/B&W:	Auto, On, Off, SMART, removable IR-cut filter	
Pixels - Total:	1280(H) x 1024(V)	1920(H) x 1280(V)
Sensitivity Colour:	0.03 Lux@F1.2 (IRE50)	
Sensitivity B&W:	0.005 Lux@F1.2 (IRE50)	
Lens Mount:	C/CS mount	
Lens Drive Type:	Auto iris (DC)	
Motion Detection:	On/ Off/ Sensitivity/ Area setting	
Privacy Zones:	5 zones, rectangle	
Backlight compensation:	On/Off	
Wide Dynamic Range:	130dB	96dB
White Balance:	Auto / Manual / ATW / Indoor / Outdoor	
Camera ID:	20 characters	
Digital Noise Reduction (DNR):	Low / Middle / High / Off	
Shutter Speed:	1 sec to 1/10,000 sec	
Alarm Inputs:	1	
Alarm Outputs:	1	
Number of Clients:	Up to 20 users	
Web Browser:	MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari	
Onvif:	Profile S	
Video Compression:	Single Stream: H.264 or MJPEG Quad Stream: H.264+H.264+H.264+H.264 or H.264+H.264+H.264+MJPEG	
Video Resolution:		
- Single Stream:	1280x1024(25 fps)	1920x1080(50 fps)
- Dual Stream:	1280x720 (50 fps) + 800x600(50 fps)	1920x1080 (50 fps) + 720x576(50 fps)
- Triple Stream:	1280x1024(25 fps) + 1280x720(25 fps) + 800x600(25 fps)	1920x1080(25 fps) + 1280x720(25 fps) + 1280x720(25 fps)
- Quad Stream:	1280x1024(25 fps) + 1280x720(25 fps) + 800x600(25 fps) + 352x288(25 fps)	1920x1080(25 fps) + 1280x720(25 fps) + 1280x720(25 fps) + 352x288(25 fps)
SD Memory:	Micro SD/SDHC	
Network Protocol:	IPv4, IPv6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, 802.1x and SNMP	
Alarm Event:	Alarm Input, Motion Detection or Schedule: Image transfer or alarm message by FTP, Image transfer or alarm message by E-mail, recording on SD-card, enable alarm output	
Audio Compression:	G.726, G.711	
LED Indicator:	Power, link, active	
Input/Output sockets:	Video Out(BNC), Power(3-Pin Term), RJ-45, Micro SD Card Slot, Terminal 7-Pin (Alarm In 2-Pin, Alarm Out 2-Pin, RS-485 3-Pin), Audio (2 mini Jack 3.5mm), Auto Iris (4-Pin)	
Video Outputs:	1Vpp, BNC	
Firmware Upgrade:	Firmware upgrade by Web Browser	
Configuration:	Upload & Download configuration on remote PC	
Operating Temperature:	-10°C ~ +50°C	
Humidity:	10 ~ 90% no condensation	
Supply Voltage:	12 VDC / 24 VAC / PoE IEEE 802.3af	
Power Consumption:	5.5W	
Weight:	0.33 kg	
Dimension (W*H*D):	76 x 53 x 126 mm	

Grundig reserves the right to change specifications without notice

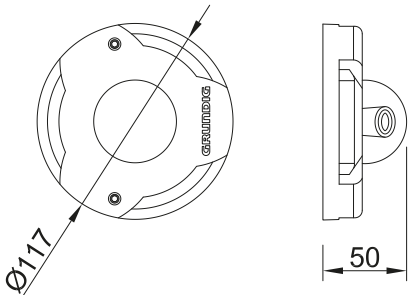
GCI-H0812W, GCI-K1812W

		Smart phone	DNR	WDR	Full HD 1080p	ONVIF
HIGHLIGHTS	Cost-effective 2 Megapixel 1080p 13fps indoor camera in compact and discreet housing with fixed 4mm lens					GCI-K0812W
	2 Megapixel 1080p real-time 25fps camera in compact and discreet housing with fixed 4mm lens					GCI-K1812W

Key features and benefits

- Quad video stream (H.264, MJPEG) at 25fps
- Quick and simple installation with pre-focused lens
- 3D digital noise reduction and smart picture quality
- Digital WDR function
- Micro SD/SDHC memory card slot for alarm and scheduled recording
- Compact and discreet
- Power options PoE

Dimensions



Item code	Brief description
GCI-H0812W	2 MP Full HD IP indoor fixed flat dome camera, 4mm lens, soft day/night & WDR
GCI-K1812W	2 MP Full HD IP fixed flat dome camera, 4mm lens, soft day/night & WDR, IP66

	GCI-H0812W	GCI-K1812W
Image Sensor:	1/2.7" CMOS, 2 Megapixel	
Pixels - Total:	1920(H) x 1080(V)	
Col/B&W:	Auto, On, Off, SMART, removable IR-cut filter	
Sensitivity Colour:	0.6 Lux@F1.6 (IRE50)	
Lens Drive Type:	M12 Board lens	
Lens Focal Length:	4mm	
Viewing Angle:	78°	
Motion Detection:	On/ Off/ Sensitivity/ Area setting	
Privacy Zones:	5 zones, rectangle	
White Balance:	ATW, AWB, Manual	
Shutter Speed:	1 sec to 1/10,000 sec	
Camera ID:	20 characterss	
Web Browser:	MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari	
Onvif:	Profile S	
Number of Clients:	Up to 20 users	
Video Compression:	Single Stream: H.264 or MJPEG Quad Stream: H.264+H.264+H.264+H.264 or H.264+H.264+H.264+MJPEG	
Video Resolution:		
- Single Stream:	1920 x 1080(13 fps)	1920 x 1080(25 fps)
- Dual Stream:	1920x1080 (13 fps) + 1280x1024(13 fps)	1920 x 1080 (2x13 fps)
- Triple Stream:	1920x1080(13 fps) + 1280x1024(13 fps) + 800x600(13 fps)	1920 x 1080(13 fps) + 12080x1024(13 fps) + 1280x720(13 fps)
- Quad Stream:	1920x1080(13 fps) + 1280x1024(13 fps) + 720x576(13 fps) + 352x288(13 fps)	1920x1080(13 fps) + 1280x1024(13 fps) + 1280x720(13 fps) + 720x576(13 fps)
Network Protocol:	IPv4, IPv6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, 802.1x and SNMP	
SD Memory:	supports up to 32 GB capacity of micro SD/SDHC memory	
Alarm Event:	Motion Detection: Image transfer or alarm message by FTP, Image transfer or alarm message by E-mail, recording on SD-card, enable alarm output and send HTTP notification	
Audio Compression:	G.726, G.711	
LED Indicator:	Power, link, active	
Input/Output Sockets:	RJ-45, Micro SD Card Slot	
Firmware Upgrade:	Firmware upgrade by Web Browser	
Configuration:	Upload & Download configuration on remote PC	
Protection Rating:	-	IP66
Operating Temperature:	0°C ~ +40°C	-20°C ~ +50°C
Humidity:	10 ~ 90% no condensation	
Supply Voltage:	PoE IEEE 802.3af	
Power Consumption:	3.8 W	
Weight:	0.18 kg	
Dimension (W*H*D):	Ø 117 x 50 mm	

Accessories

Item code	Brief description
GLE-B2800M	f= 2.8 mm board lens

Grundig reserves the right to change specifications without notice

GCI-K1523D

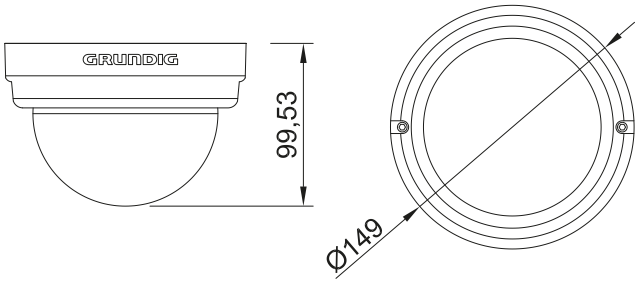
Smart phone | DNR | WDR | Full HD 1080p | ONVIF

HIGHLIGHTS	Full HD real-time 25fps indoor dome with true day/night	GCI-K1523D

Key features and benefits

- Quad video stream (H.264, MJPEG)
- 3D digital noise reduction and digital WDR function
- Micro SD/SDHC memory card slot for alarm and scheduled recording
- Power options 12VDC, 24VAC, PoE
- Bi-directional audio support

Dimensions



Item code	Brief description
GCI-K1523D	2 MP Full HD indoor IP dome camera, 3~9mm lens, ICR & WDR

	GCI-K1523D
Image Sensor:	1/2.7" CMOS, 2 Megapixel
Pixels - Total:	1920(H) x 1080(V)
Col/B&W:	Auto, On, Off, SMART, removable IR-cut filter
Sensitivity Colour:	0.5 Lux@F1.6 (IRE50)
Lens Drive Type:	Auto Iris (DC)
Lens Focal Length:	3 ~ 9 mm
Viewing Angle:	103.5° ~ 34.3°
Motion Detection:	On/ Off/ Sensitivity/ Area setting
Privacy Zones:	5 zones, rectangle
White Balance:	ATW, AWB, Manual
Shutter Speed:	1 sec to 1/10,000 sec
Camera ID:	20 characters
Alarm Inputs:	1
Alarm Outputs:	1
Web Browser:	MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari
Onvif:	Profile S
Number of Clients:	Up to 20 users
Video Compression:	Single Stream: H.264 or MJPEG Quad Stream: H.264+H.264+H.264+H.264 or H.264+H.264+H.264+MJPEG
Video Resolution:	
- Single Stream:	1920 x 1080(25 fps)
- Dual Stream:	1920 x 1080 (2x13 fps)
- Triple Stream:	1920 x 1080(13 fps) + 12080x1024(13 fps) + 1280x720(13 fps)
- Quad Stream:	1920x1080(13 fps) + 1280x1024(13 fps) + 1280x720(13 fps) + 720x576(13 fps)
Network Protocol:	IPv4, IPv6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, 802.1x and SNMP
SD Memory:	supports up to 32 GB capacity of micro SD/SDHC memory
Alarm Event:	Alarm Input, Motion Detection: Image transfer or alarm message by FTP, Image transfer or alarm message by E-mail, recording on SD-card, enable alarm output and send HTTP notification
Audio Compression:	G.726, G.711
LED Indicator:	Power, link, active
Video Outputs:	1 CVBS 1 Vpp (BNC)
Input/Output sockets:	Video Out(BNC), Power(3-Pin Term), RJ-45, Micro SD Card Slot, Alarm Terminal 4-Pin (Alarm In 2-Pin, Alarm Out 2-Pin), Audio (4-Pin)
Firmware Upgrade:	Firmware upgrade by Web Browser
Configuration:	Upload & Download configuration on remote PC
Operating Temperature:	-10°C ~ +50°C
Humidity:	10 ~ 90% no condensation
Supply Voltage:	12VDC / 24 VAC / PoE IEEE 802.3af
Power Consumption:	5 W
Weight:	0.6 kg
Dimension (W*H*D):	Ø 149 x 100 mm

Grundig reserves the right to change specifications without notice

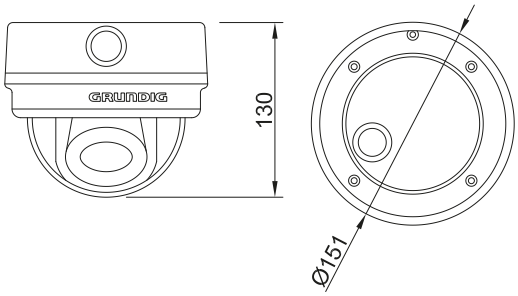
GCI-K1523V, GCI-K1526V, GCI-K1526VH, GCI-K1585V, GCI-K1586V, GCI-K1586VH

		Hybrid	Smart phone	DNR	WDR	ONVIF	Day & Night
HIGHLIGHTS	Full HD real-time 25fps with ICR						GCI-K1523V
	Full HD real-time 25fps with ICR, IR LED						GCI-K1526V
	Full HD real-time 25fps with ICR, IR LED, heater						GCI-K1526VH
	Full HD real-time 25fps with ICR, Mzoom, auto-focus						GCI-K1585V
	Full HD real-time 25fps with ICR, IR LED, Mzoom, auto-focus						GCI-K1586V
	Full HD real-time 25fps with ICR, IR LED, Mzoom, auto-focus, heater						GCI-K1586VH

Key features and benefits

- Vandal-resistant and weatherproof housing (IK10/IP66)
- IR corrected aspherical vari-focal lens 3-9 mm
- Quad video stream (H.264, MJPEG)
- 3D digital noise reduction and smart picture quality
- Extended temperature range
- Power options 12VDC, 24VAC, PoE

Dimensions



Item code	Brief description
GCI-K1523V	2 MP Full HD VF IP dome camera, 3~9mm, ICR & WDR
GCI-K1526V	2 MP Full HD VF IP dome camera, 3~9mm, ICR & WDR IR 23 LED
GCI-K1526VH	2 MP Full HD VF IP dome camera, 3~9mm, ICR & WDR IR 23 LED heater
GCI-K1585V	2 MP Full HD VF IP dome camera, 3~9mm, ICR & WDR, Mzoom
GCI-K1586V	2 MP Full HD VF IP dome camera, 3~9mm, ICR & WDR IR
GCI-K1586VH	2 MP Full HD VF IP dome camera, 3~9mm, ICR & WDR IR heater

	GCI-K1523V	GCI-K1526V	GCI-K1526VH	GCI-K1585V	GCI-K1586V	GCI-K1586VH
Image Sensor:	1/2.7" CMOS, 2 Megapixel					
Pixels - Total:	1920(H) x 1080(V)					
Col/B&W:	Auto, On, Off, SMART, removable IR-cut filter					
Sensitivity Colour:	0.5 Lux@F1.2 (IRE50)					
Sensitivity B&W:	0.1 Lux@F1.2 (IRE50)					
Lens Drive Type:	Auto iris (DC)			Motorised Zoom & Focus, Auto Iris (DC)		
Lens Focal Length:	3 ~ 9 mm					
Viewing Angle:	103.5°~ 34.3°					
IR LED	-	23 pcs., 90° beaming angle		-	23 pcs., 90° beaming angle	
Max. IR Distance:	-	15/25 m (according to scene reflexion)		-	15/25 m (according to scene reflexion)	
Motion Detection:	On/ Off/ Sensitivity/ Area setting					
Privacy Zones:	5 zones, rectangle					
White Balance:	ATW, AWB, Manual					
Shutter Speed:	1 sec to 1/10,000 sec					
Camera ID:	20 characters					
Alarm Inputs:	1					
Alarm Outputs:	1					
Web Browser:	MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari					
Onvif:	Profile S					
Number of Clients:	Up to 20 users					
Video Compression:	Single Stream: H.264 or MJPEG Quad Stream: H.264+H.264+H.264+H.264 or H.264+H.264+H.264+MJPEG					
Video Resolution:						
- Single Stream:	1920 x 1080 (13 fps)	1920 x 1080(25 fps)				
- Dual Stream:	1920 x 1080 (13 fps) + 1280 x 1024(13 fps)	1920 x 1080 (2x13 fps)				
- Triple Stream:	1920 x 1080(13 fps) + 12080 x 1024(13 fps) + 800 x 600(13 fps)	1920 x 1080(13 fps) + 12080 x 1024(13 fps) + 1280 x 720(13 fps)				
- Quad Stream:	1920 x 1080(13 fps) + 1280 x 1024(13 fps) + 720 x 576(13 fps) + 352 x 288(13 fps)	1920x1080(13 fps) + 1280x1024(13 fps) + 1280x720(13 fps) + 720x576(13 fps)				
Network Protocol:	IPv4, IPv6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, 802.1x and SNMP					
SD Memory:	supports up to 32 GB capacity of micro SD/SDHC memory					
Alarm Event:	Alarm Input, Motion Detection: Image transfer or alarm message by FTP, Image transfer or alarm message by E-mail, recording on SD-card, enable alarm output and send HTTP notification					
Audio Compression:	G.726, G.711					
LED Indicator:	Power, link, active					
Video Outputs:	1 CVBS 1 Vpp (BNC)					
Input/Output sockets:	Video Out(BNC), Power (3-Pin Term), RJ-45, Micro SD Card Slot, Alarm Terminal 4-Pin (Alarm In 2-Pin, Alarm Out 2-Pin), Audio (4-Pin)					
Firmware Upgrade:	Firmware upgrade by Web Browser					
Configuration:	Upload & Download configuration on remote PC					
Protection Rating:	IP66					
Operating Temperature:	-25°C ~ +55°C		-35°C ~ +50°C	-25°C ~ +55°C		-35°C ~ +50°C
Humidity:	10 ~ 90% no condensation					
Supply Voltage:	12 VDC, 24 VAC, PoE IEEE 802.3af (without heater function)					
Power Consumption:	5 W	8 W (LED ON)	18 W (LED ON)	8,6 W	15 W (LED ON)	20 W (LED ON)
Weight:	0.8 kg					
Dimension (W*H*D):	Ø 151 x 131 mm					

Grundig reserves the right to change specifications without notice

GCI-K1526T, GCI-K0589T

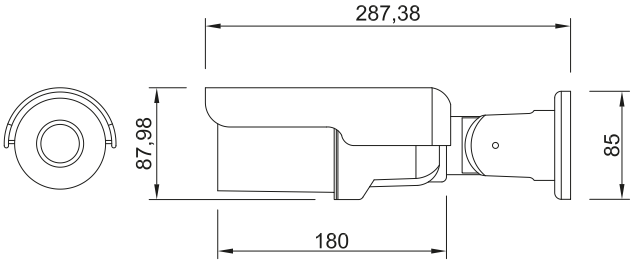
		Hybrid	Day & Night	Smart phone	WDR	DNR
HIGHLIGHTS	Vario-focal Full HD outdoor camera with ICR and IR LEDs					
	Vario focal Full HD outdoor camera with ICR, IR LEDs and heater					
	Motorised zoom Full HD outdoor camera with ICR, IR LEDs					
	Motorised zoom Full HD outdoor camera with ICR, IR LEDs and heater					

	GCI-K1526T
	GCI-K1526TH
	GCI-K0589T
	GCI-K0589TH

Key features and benefits

- IP66 weatherproof housing with sunshield and bracket
- 23 IR LEDs with up to 20m range
- Quad video stream (H.264, MJPEG)
- 3D digital noise reduction and smart picture quality
- Extended temperature range
- Power options 12VDC, 24VAC, PoE

Dimensions



Item code	Brief description
GCI-K1526T	2 MP Full HD CMOS IP bullet camera with 3~9mm lens, ICR, WDR & 23 IR LEDs
GCI-K1526TH	2 MP Full HD CMOS IP bullet camera with 3~9mm lens, ICR, WDR, 23 IR LEDs and heater
GCI-K0589T	2 MP Full HD CMOS IP bullet camera with 3~9mm lens, ICR, WDR, IR LEDs & Mzoom
GCI-K0589TH	2 MP Full HD CMOS IP bullet camera with 3~9mm lens, ICR, WDR, IR LEDs, Mzoom and heater

	GCI-K1526T	GCI-K1526TH	GCI-K0589T	GCI-K0589TH
Image Sensor:	1/2.7" CMOS, 2 Megapixel			
Col/B&W:	Auto, On, Off, SMART, removable IR-cut filter			
Pixels - Total:	1920(H) x 1080(V)			
Sensitivity Colour:	0.5 Lux@F1.4 (IRE30)		0.4 Lux@F1.2 (IRE50)	
Sensitivity B&W:	0.1 Lux@F1.4 (IRE30)		0.05 Lux@F1.2 (IRE50)	
Focal Length:	3 ~ 9 mm			
Lens Drive Type:	DC auto iris		motorized Zoom & Focus, DC Auto Iris	
IR LED:	23 pcs., 90° beaming angle			
Max. IR Distance:	15/25 m (according to scene reflexion)			
Motion Detection:	On/ Off/ Sensitivity/ Area setting			
Camera ID:	20 characters			
White Balance:	ATW, Manual			
Shutter Speed:	1 sec to 1/10,000 sec			
Backlight Compensation:	On/Off			
Wide Dynamic Range:	On/Off			
Alarm Inputs:	1			
Alarm Outputs:	1			
Web Browser:	MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari			
Onvif:	Profile S			
Number of Clients:	Up to 20 users			
Video Compression:	Single Stream: H.264 or MJPEG Quad Stream: H.264+H.264+H.264+H.264 or H.264+H.264+H.264+MJPEG			
Video Resolution:				
- Single Stream:	1920 x 1080(25 fps)			
- Dual Stream:	1920 x 1080 (2x13 fps)			
- Triple Stream:	1920 x 1080(13 fps) + 12080 x 1024(13 fps) + 1280 x 720(13 fps)			
- Quad Stream:	1920 x 1080(13 fps) + 1280 x 1024(13 fps) + 1280 x 720(13 fps) + 720 x 576(13 fps)			
Network Protocol:	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, DHCP, PPPoE, UPnP, SMTP, ICMP, IGMP, SNMP, IEEE802.1x, QoS, ONVIF, FTP			
SD Memory:	supports up to 32 GB capacity of micro SD/SDHC memory			
Alarm Event:	Alarm Input, Motion Detection, Tampering: Alarm Out by http, FTP, E-mail, recording on Micro SD-card			
Audio Compression:	G.726, G.711			
Video Outputs:	1 CVBS, 1Vpp, BNC			
Firmware Upgrade:	Firmware upgrade by Web Browser			
Configuration:	Upload & Download configuration on remote PC			
Input/Output sockets:	Power (3-Pin Term), RJ-45, Micro SD Card Slot, Alarm Terminal 4-Pin (Alarm In 2-Pin, Alarm Out 2-Pin), Audio (2 mini Jack 3.5mm)			
Video Outputs:	1 CVBS 1 Vpp (BNC)			
Protection Rating:	IP66			
Operating Temperature:	-25°C ~ +55°C	-35°C ~ +50°C	-25°C ~ +55°C	-35°C ~ +50°C
Humidity:	10 ~ 90% no condensation			
Supply Voltage:	12 VDC, 24 VAC, PoE IEEE 802.3af (without heater function)			
Power Consumption:	8.9 (LED on) W	18 W (heater/LED on)	12 (LED on) W	18 W (heater/LED on)
Weight:	1 kg			
Dimension (W*H*D):	Ø 84 x 287 mm			

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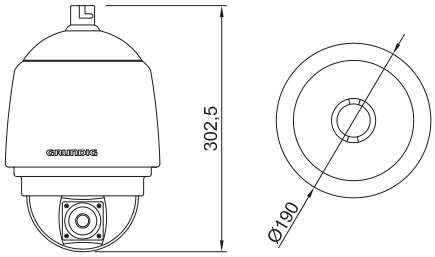
GCI-C0835P, GCI-C0745P
GCI-K0779P, GCI-K1779P

		360°	WDR	Day & Night
HIGHLIGHTS	Full HD indoor motorized IP dome camera with 18x AF optical zoom			GCI-K0779P
	Full HD outdoor motorized IP dome camera with 18x AF optical zoom			GCI-K1779P
	Indoor Motorized Dome IP-Camera with 12x optical Zoom and PoE			GCI-C0835P
	Outdoor motorized IP dome camera with 36x optical zoom			GCI-C0745P

Key features and benefits

- DNR, WDR, BLC
- Extended tilt range -10° ~ 190°
- Privacy masking (16 zones)
- Automatic pan/tilt speed adjustment proportional to zoom ratio
- Presets, sequence, auto-pan and cruise functionality
- Alarm in/out (4/2)
- Micro SD/SDHC memory card slot for recording

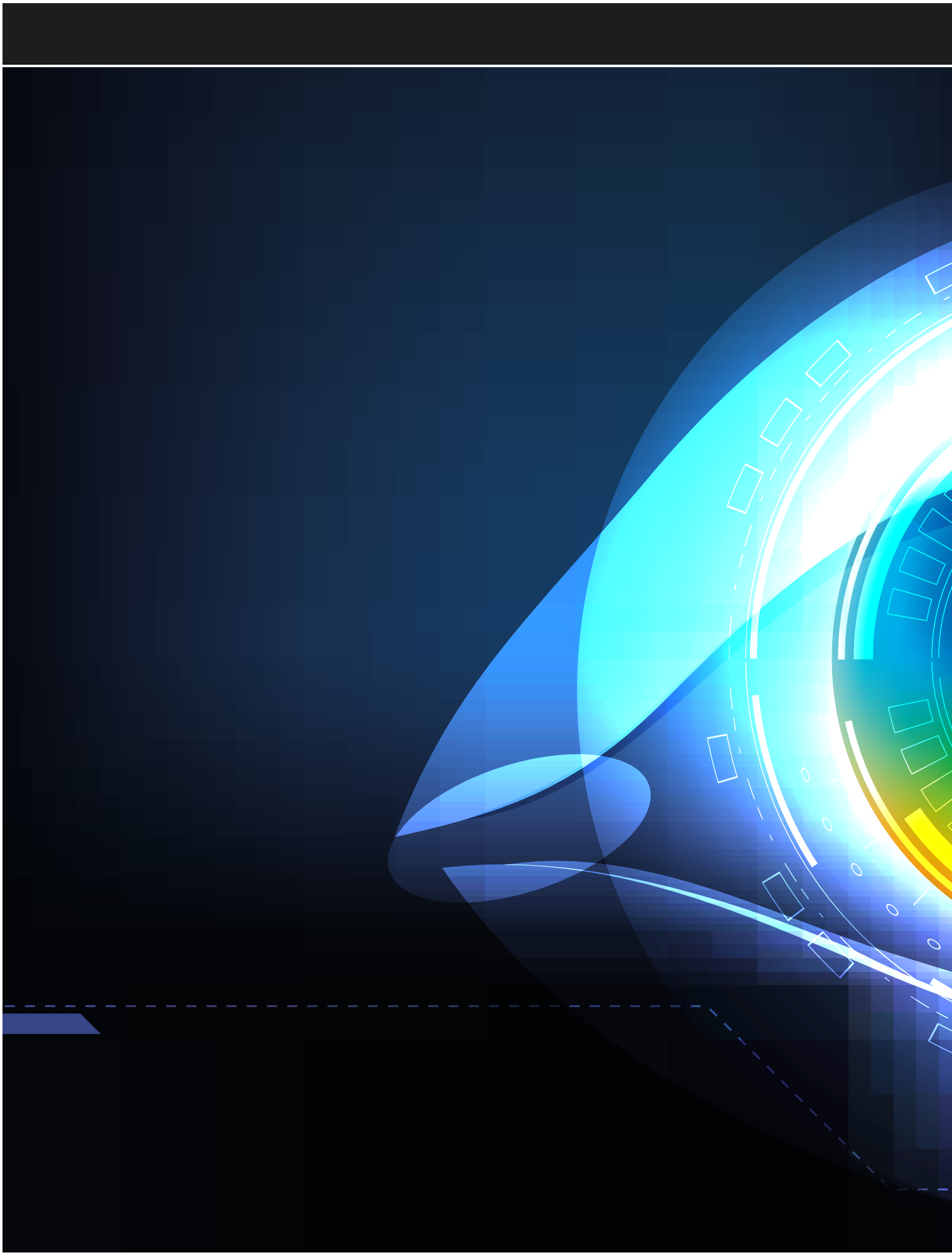
Dimensions



Item code	Brief description
GCI-K0779P	2 MP Full HD indoor IP motorized dome camera.18x optical zoom, ICR and WDR
GCI-K1779P	2 MP Full HD Outdoor motorized dome camera 18x optical zoom, ICR and WDR
GCI-C0835P	D1 Indoor motorized dome camera with 12x optical zoom, ICR, WDR and PoE
GCI-C0745P	D1 Outdoor motorized dome camera with 36x optical zoom, ICR and WDR
GPC-B0701A	Auto tracking license for GCI-Kx779P

	GCI-C0835P	GCI-C0745P	GCI-K0779P	GCI-K1779P
Image Sensor	1/4" CCD		1/2.8" Sony Progressive CMOS	
Col/B&W:	Auto, On, Off, SMART, removable IR-cut filter			
Pixels - Total:	795 x 596		1920(H) x 1080(V)	
Sensitivity Colour:	0.1 lux		0.3 lux	
Sensitivity B&W:	0.01 lux		0.04 lux	
S/N Ratio:	50 dB		-	
Resolution:	650(H) lines		-	
BLC:	On/Off + WDR			
White Balance:	Auto, Manual, Indoor, Outdoor, ATW			
Shutter Speed:	1 sec to 1/10,000 sec			
Camera ID:	20 characters			
Number of Privacy Zones:	16			
Pan Speed:	Manual: 1°/s ~ 80°/s, Preset: 400°/s (max.)			
Tilt Speed:	Manual: 1°/s ~ 80°/s, Preset: 400°/s (max.)	Manual: 0.5°/s ~ 90°/s, Preset: 400°/s (max.)		
Range Panning:	360° endless			
Range Tilting:	-10° ~ 190°			
Number of Preset:	256			
Number of Pattern:	8			
Lens Drive Type:	Auto iris, DC			
Focal Length:	3.8 ~ 45.6 mm	3.4 ~ 122.4 mm	4.7 ~ 84.6 mm	
Zoom Ratio:	x 12	x 36	x 18	
Digital Zoom:	Off/1 ~ 12x		-	
OSD:	German, English, French, Italian, Russian			
Video Outputs:	1Vpp, BNC			
Alarm Inputs:	4			
Alarm Outputs:	1			
Web Browser:	MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari			
Onvif:	Profile S			
Video Compression:	Dual stream: H.264+H.264, H.264+MJPEG		Single Stream: H.264 or MJPEG Quad Stream: H.264+H.264+H.264+H.264 or H.264+H.264+H.264+MJPEG	
Video Resolution				
Single Stream:	720 x 576 (2 x 25fps), 352 x 288 (2 x 25fps)		1920 x 1080(25 fps)	
Dual Stream:			1920 x 1080 (2x13 fps)	
Triple Stream:			1920 x 1080(13 fps) + 12080 x 1024(13 fps) + 1280 x 720(13 fps)	
Quad Stream:			1920 x 1080(13 fps) + 1280 x 1024(13 fps) + 1280 x 720(13 fps) + 720 x 576(13 fps)	
Network Protocol:	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, DHCP, PPPoE, UPnP, SMTP, ICMP, IGMP, SNMP, IEEE802.1x, QoS, ONVIF, FTP			
SD Memory:	supports up to 32 GB capacity of micro SD/SDHC memory			
Alarm Event:	Alarm Input, Motion Detection or Schedule: Image transfer or alarm message by FTP, Image transfer or alarm message by E-mail, recording on SD-card and enable alarm output			
Audio Compression	G.726 ADPCM, G.711		G.711/G.726 ADPCM/AAC	
Firmware Upgrade:	Firmware upgrade by Web Browser			
Protection Rating:	-	IP66	-	IP66
Operating Temperature:	0°C ~ +40°C	-40°C ~ +50°C	0°C ~ +40°C	-40°C ~ +50°C
Humidity:	10 ~ 90% no condensation			
Supply Voltage:	24 VAC / PoE+ (IEEE802.3at)	24 VAC	24 VAC / PoE+ (IEEE802.3at)	
Power Consumption:	18 W	65 W (w/heater)	20 W	65 W (w/heater)
Weight:	1,2 kg	2,6 kg	1,62 kg	2,32 kg
Dimension (W*H*D):	Ø 156 x 203 mm	Ø 190 x 303 mm	Ø 172 x 229 mm	Ø 192 x 283 mm

Grundig reserves the right to change specifications without notice



HD-SDI

HD-SDI technology in video surveillance is developing quickly. It provides an innovative, Full HD, digital video solution using coaxial cable.

HD-SDI enables the transmission of uncompressed digital video, in-real time and delivers a significantly higher image quality than IP. Despite being a high-quality digital video solution, it benefits from very simple analogue-style installation and support.

HD-SDI technology combines the best of CCTV and IP surveillance

The SDI standard was developed for the broadcast industry by the SMPTE (Society of Motion Picture and Television Engineers). The SDI standard defines the serial digital transmission of uncompressed video data. Initially, it was developed as a digital replacement for analogue television and cinematic applications and has been used for many years. It has now been adopted by the security industry for the transmission of 2 megapixel, full HD video.

Although the SDI standard is not restricted to a specific cabling method, the broadcast industry predominantly uses coaxial cabling. Conveniently, this makes SDI even more applicable to the security industry.

SDI has many advantages over existing PAL or NTSC analogue technologies. SDI technology uses a digital signal throughout the entire system. By comparison, analogue systems require the digital camera signal to be converted to analogue for transmission and converted back to digital for the monitor to process. At every conversion, errors in colour, accuracy and de-interlacing (if progressive scan is not used) occur, reducing image quality.

An analogue signal comprises amplitude, frequency and modulation data. After transmission, this data must be decoded to produce an image. HD-SDI is a digital signal comprising only “1” and “0” data.

Like IP technology, a digital signal of this type is either transmitted correctly, or not at all. No data corruption or image degradation can occur. HD-SDI and analogue transmission distances are similar. However, HD-SDI can transmit significantly more data as uncompressed HD video.
HD-SDI is a simple plug & play solution.

2 Megapixel 16:9 HD-SDI Camera

400.000 Pixel 4:3 Analogue Camera

HD-SDI takes video surveillance to a whole new level. It combines a higher image quality than IP,with the installation and support simplicity of analogue.

Megapixel video

HD-SDI video is transmitted at 1080p (progressive scan), 2 megapixel resolution of 1980 x 1080 pixels with a data rate of up to 1.485 gigabits per second. This is considerably higher than analogue-based D1 resolution, which is 720 x 576 pixels and IP-based, 1.3 megapixels resolution which is 1280 x 1024 pixels.

All cameras within an HD-SDI system are connected directly to the DVR. Even when transmitting uncompressed, 2 megapixel resolution video, in real-time (25 / 30 fps) there is no transmission delay between the camera and the monitor. All cameras within the system can be recorded at their full HD, uncompressed rate, simultaneously. IP systems, by comparison, can have transmission delays resulting in blocking and image artifacts. This is due to network bandwidth limitations and will even occur in IP systems when a dedicated security network is used and multiple cameras are attempting to transmit at once.

Safe and secure

HD-SDI systems are connected point-to-point, not over a network. Firewalls and other network protection hardware are not necessary to ensure the safe running and operation of the system, as it is intrinsically safe.

Stored data is also secure. If you use a HD-SDI DVR without network access, the only way to see the video is by getting physical access to the device.

IP cameras in public areas might be a security risk for your network. An HD-SDI camera is not!

HD-SDI signals can be transmitted over standard coaxial cable.

Plug & play

Coaxial cabling is used to transmit HD-SDI signals, just like in analogue systems.

No network configuration or IT knowledge are necessary to set up a system. The DVR will detect the video signals from the cameras automatically and will record the data immediately.

Existing analogue coaxial cabling can be re-used for HD-SDI systems, saving on installation and cabling costs.

Compatibility

HD-SDI products are based on existing television and broadcast standards. All products that meet these standards are compatible with Grundig HD-SDI systems, without needing further integration.

As part of the HD CCTV Alliance, Grundig is contributing to the development of the HD-SDI standard within the video surveillance industry. Further developments include increasing transmission distances, increasing transmission resolutions and implementing features such as serial communication and power over coaxial cable – all of which will be included in the standard.

Unlike ONVIF, which has been developed specifically for IP security applications, the SDI standard already exists. It is simply evolving and adapting to suit video surveillance applications.

HD CCTV®

The HD-CCTV alliance makes sure all products work together.

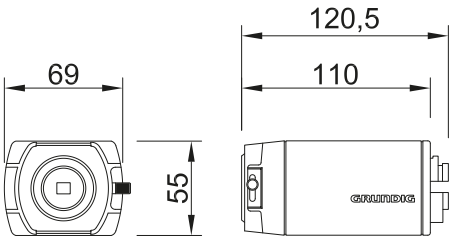
GCH-K0302B, GCH-K0305B

		DNR	Full HD 1080p	Dual Voltage
HIGHLIGHTS	Cost-effective 1080p HD-SDI colour box camera			GCH-K0302B
	1080p HD-SDI box camera with ICR and WDR			GCH-K0305B

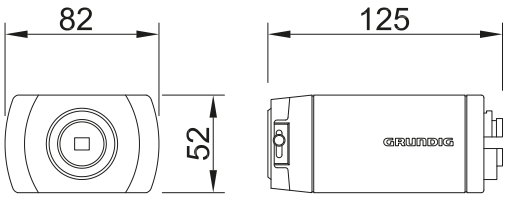
Key features and benefits

- Full HD, 1920 x 1080p, 25/30 fps over coax
- Easy plug & play installation
- Digital noise reduction
- Back light compensation
- Power input 24VAC / 12VDC

Dimensions



GCH-K0302B



GCH-K0305B

Item code	Brief description
GCH-K0302B	2 Megapixel Full HD CMOS HD-SDI box camera
GCH-K0305B	2 Megapixel Full HD CMOS HD-SDI box camera with WDR

	GCH-K0302B	GCH-K0305B
Image Sensor:	1/2.8" CMOS Sony Exmor, 2.4 Megapixel	1/2.8" Progressive Scan CMOS, 3 Megapixels
Pixels - Total:	2000(H) x 1121(V)	2144(H) x 1588(V), 3.40M pixels
Pixels - Effective:	1984(H) x 1105(V), 2.19M pixels	2080(H) x 1553(V), 3.23M pixels
Scanning System:	Progressive	
Image Size:	1920 x 1080	1920 x 1080, 1280 x 720
Frame Rate:	30, 25 fps at 1080p	30/60, 25/50 fps at 1080p; 30/60, 25/50 fps at 720p
Sensitivity Colour:	0.5 Lux @ F1.2 (IRE50)	1.44 lux @ F1.2 (50IRE)
Sensitivity B&W:	-	0.72 Lux@F1.2 (IRE50)
Sens Up:	Off ~ x64	
S/N Ratio:	50 dB	
Video Outputs:	1 Ch HD-SDI BNC or 1 Ch Composite BNC	
Lens Mount:	C/CS mount	
Lens Drive Type:	DC auto iris, manual iris	
High Speed Shutter:	1/25 ~ 1/60.000 sec	1/25 ~ 1/10,000 sec
Shutter Mode:	Auto / Fix	
Col/B&W:	On, Off, Auto, Ext (fixed IR-Cut filter)	On, Off, Auto, removable IR-Cut filter
OSD:	Yes	
Number of Privacy Zones:	32	16
BLC:	WDR / BLC / HLC / OFF	On/Off
White Balance:	ATW, AWB, Manual, Preset	Auto, Manual, Indoor, Outdoor, ATW
Digital Noise Reduction (DNR):	Off/Low/Mid/High	On/Off
Motion Detection:	On/ Off/ Sensitivity/ Area setting	
Alarm:	1 Output	
Serial Interface(s):	RS-485	
Protocol:	Pelco D, Pelco P	
Operating Temperature:	0°C ~ +50°C	
Storage Temperature:	-20°C ~ +60°C	
Humidity:	less than 85%	
Supply Voltage:	12 VDC/24 VAC	
Power Consumption:	3 W	5 W
Dimensions:	69 x 55 x 120.5 mm	82 x 52 x 125 mm
Weight:	0.33 kg	

Grundig reserves the right to change specifications without notice

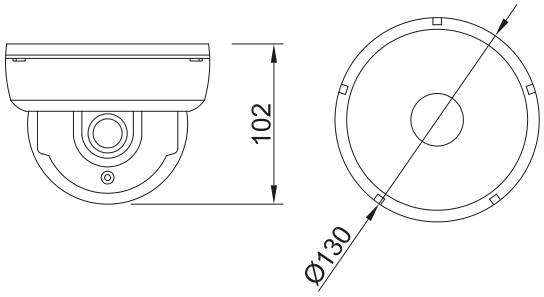
GCH-K0323D, GCH-K0326D

		Full HD 1080p	DNR	Day & Night	Dual Voltage
HIGHLIGHTS	Compact elegant housing for discreet indoor usage	GCH-K0323D, GCH-K0326D			
	0 Lux: Integrated LED IR illuminator	GCH-K0326D			

Key features and benefits

- Full HD, 1920 x 1080p, 25/30 fps over coax
- Easy plug & play installation
- 3-axis gimbal for ceiling and wall mounting
- True day/night function with ICR
- Digital noise reduction
- Back light compensation
- Power input 24VAC / 12VDC

Dimensions



Item code	Brief description
GCH-K0323D	2 MP Full HD CMOS HD-SDI fixed dome camera with ICR
GCH-K0326D	2 MP Full HD CMOS HD-SDI fixed dome camera with 28 IR LEDs

	GCH-K0323D	GCH-K0326D
Image Sensor:	1/2.8" CMOS Sony Exmor, 2.4 Megapixel	
Pixels - Total:	2000(H) x 1121(V)	
Pixels - Effective:	1984(H) x 1105(V), 2.19M pixels	
Scanning System:	Progressive	
Image Size:	1920x1080	
Frame Rate:	30, 25 fps at 1080p	
Sensitivity Colour:	0.5 Lux @ F1.2 (IRE50)	
Sensitivity B&W:	0.3 Lux @ F1.2 (IRE50)	0 Lux LED IR on
Sens Up:	Off ~ x64	
S/N Ratio:	50 dB	
Video Outputs:	1 Ch HD-SDI BNC or 1 Ch Composite BNC	
Focal Length:	2.8 ~ 10 mm	
Lens Drive Type:	DC Auto Iris	
IR LED:	-	28 pcs.
Max. IR Distance:	-	30/45 m (according to scene reflexion)
High Speed Shutter:	1/25 ~ 1/60.000 sec	
Shutter Mode:	Auto / Fix	
Col/B&W:	On, Off, Auto, removable IR-Cut filter	
OSD:	Yes	
Number of Privacy Zones:	32	
BLC:	WDR / BLC / HLC / OFF	
Digital Noise Reduction (DNR):	Off/Low/Mid/High (Adaptive 3D + 2D)	
Motion Detection:	On/ Off/ Sensitivity/ Area setting	
White Balance:	ATW, AWB, Manual, Preset	
Operating Temperature:	0°C ~ +50°C	
Storage Temperature:		
Humidity:	less than 85%	
Supply Voltage:	12 VDC/24 VAC	
Power Consumption:	3W	3 W (5.5W LED on)
Dimensions:	Ø130 x 102 mm	
Weight:	0.6 kg	

Grundig reserves the right to change specifications without notice

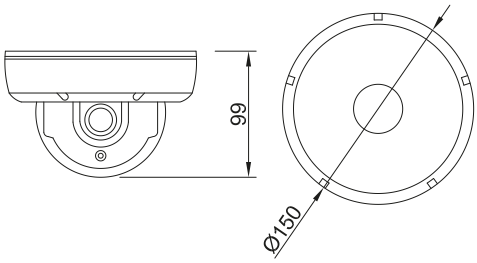
GCH-K0323V, GCH-K0326V

		Full HD 1080p	DNR	Day & Night	12V 24V Dual Voltage	Vandal Proof	IP66 IP 66
HIGHLIGHTS	Compact elegant housing water and vandal-resistant housing						GCH-K0323D, GCH-K0326D
	0 Lux: Integrated LED IR illuminator						GCH-K0326D

Key features and benefits

- Full HD, 1920 x 1080p, 25/30 fps over coax
- Easy plug & play installation
- 3-axis gimbal for ceiling and wall mounting
- True Day/Night function with ICR
- Digital Noise Reduction
- Back light compensation for various light conditions
- Power Input AC24V/DC12V

Dimensions



Item code	Brief description
GCH-K0323V	2 MP Full HD CMOS HD-SDI fixed dome camera with ICR
GCH-K0326V	2 MP Full HD CMOS HD-SDI fixed dome camera with 28 IR LEDs

	GCH-K0323V	GCH-K0326V
Image Sensor:	1/2.8" CMOS Sony Exmor, 2.4 Megapixel	
Pixels - Total:	2000(H) x 1121(V)	
Pixels - Effective:	1984(H) x 1105(V), 2.19 Megapixel	
Scanning System:	Progressive	
Image Size:	1920x1080	
Frame Rate:	30, 25 fps at 1080p	
Sensitivity Colour:	0.5 Lux @ F1.2 (IRE50)	
Sensitivity B&W:	0.3 Lux @ F1.2 (IRE50)	
Sens Up:	Off ~ x64	
S/N Ratio:	50 dB	
Video Outputs:	1 Ch HD-SDI BNC or 1 Ch Composite BNC	
Focal Length:	2.8 ~ 10 mm	
Lens Drive Type:	DC Auto Iris	
IR LED:	-	28 pcs.
Max. IR Distance:	-	30/45 m (according to scene reflexion)
High Speed Shutter:	1/25 ~ 1/60.000 sec	
Shutter Mode:	Auto / Fix	
Col/B&W:	On, Off, Auto, removable IR-Cut filter	
OSD:	Yes	
Number of Privacy Zones:	32	
BLC:	WDR / BLC / HLC / OFF	
Digital Noise Reduction (DNR):	Off/Low/Mid/High (Adaptive 3D + 2D)	
Motion Detection:	On/ Off/ Sensitivity/ Area setting	
White Balance:	ATW, AWB, Manual, Preset	
Protection Rating:	IP66 / IK10	
Operating Temperature:	-10°C ~ +50°C	
Storage Temperature:	-20°C ~ +60°C	
Humidity:	less than 85%	
Supply Voltage:	12 VDC/24 VAC	
Power Consumption:	3 W	3 W (5.5W LED on)
Dimensions:	Ø150 x 99 mm	
Weight:	1.4 kg	

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GCH-K0326T

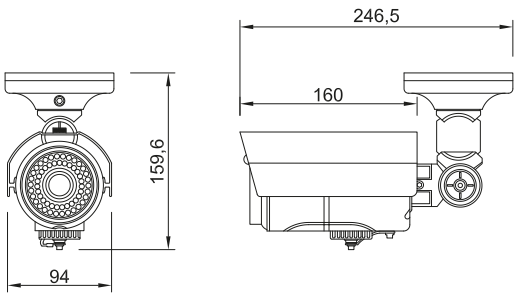
Full HD 1080p | IP 66 | DNR | Day & Night | Dual Voltage

HIGHLIGHTS	All-in-one Full HD outdoor camera with ICR and IR LEDs	GCH-K0326T

Key features and benefits

- Full HD, 1920 x 1080p, 25/30 fps over coax
- Easy plug & play installation
- 3-axis gimbal for ceiling and wall mounting
- True day/night function with ICR
- Digital noise reduction
- Back light compensation
- Power input 24VAC / 12VDC

Dimensions



Item code	Brief description
GCH-K0326T	2 Megapixel Full HD CMOS HD-SDI bullet camera with 42 IR LEDs

	GCH-K0326T
Image Sensor:	1/2.8" CMOS Sony Exmor, 2.4 Megapixel
Pixels - Total:	2000(H) x 1121(V)
Pixels - Effective:	1984(H) x 1105(V), 2.19M pixels
Scanning System:	Progressive
Image Size:	1920x1080
Frame Rate:	30, 25 fps at 1080p
Sensitivity Colour:	0.5 Lux @ F1.2 (IRE50)
Sensitivity B&W:	0 Lux LED IR on
Sens Up:	Off ~ x64
S/N Ratio:	50 dB
Video Outputs:	1 Ch HD-SDI BNC or 1 Ch Composite BNC
Focal Length:	2.8 ~ 10 mm
Lens Drive Type:	DC Auto Iris
IR LED:	42 pcs.
Max. IR Distance:	30/45 m (according to scene reflexion)
High Speed Shutter:	1/25 ~ 1/60.000 sec
Shutter Mode:	Auto / Fix
Col/B&W:	On, Off, Auto, removable IR-Cut filter
OSD:	Yes
Number of Privacy Zones:	32
BLC:	WDR / BLC / HLC / OFF
Digital Noise Reduction (DNR):	Off/Low/Mid/High (Adaptive 3D + 2D)
Motion Detection:	On/ Off/ Sensitivity/ Area setting
White Balance:	ATW, AWB, Manual, Preset
Protection Rating:	IP66
Operating Temperature:	-10°C ~ +50°C
Storage Temperature:	-20°C ~ +60°C
Humidity:	less than 85%
Supply Voltage:	12 VDC/24 VAC
Power Consumption:	3.5W (10W LED on)
Dimensions:	94 x 110 x 300 mm
Weight:	1.5 kg

Grundig reserves the right to change specifications without notice

GCH-K0274P

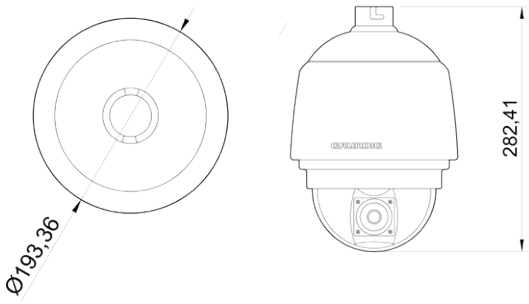
Full HD 1080p | IP66 | 18x Zoom | DNR | WDR

HIGHLIGHTS	1080p HD-SDI outdoor motorised dome camera with 18x optical zoom	GCH-K0274P

Key features and benefits

- Full HD, 1920 x 1080p, 25/30 fps over coax
- Easy plug & play installation
- DNR, WDR and BLC
- Extended tilt range -10° ~ 190°
- Privacy mask function (16 zones)
- Automatic pan / tilt speed adjustment proportional to zoom ratio
- Presets, sequence, auto-pan and cruise function
- Alarm in/out (4/2)
- Built-in heater for temperatures down to -40°C
- Power input 24VAC

Dimensions



Item code	Brief description
GCH-K0274P	2 Megapixel Full HD HD-SDI outdoor motorised dome camera 18x zoom ICR WDR

	GCH-K0274P
Image Sensor:	1/2.8" Progressive Scan CMOS, 3 Megapixels
Pixels - Total:	2144(H) x 1588(V), 3.40M pixels
Pixels - Effective:	2080(H) x 1553(V), 3.23M pixels
Scanning System:	Progressive
Image Size:	1920x1080, 1280x720
Frame Rate:	25 fps (1920 x 1080), 50 fps (1280 x 720)
Sensitivity Colour:	1.25 lux @ F1.6 (50IRE)
Sensitivity B&W:	0.23 Lux @F1.6 (IRE50)
Col/B&W:	On, Off, Auto, removable IR-Cut filter
High Speed Shutter:	1/25 ~ 1/10,000 sec
Focal Length:	4.7 ~ 84.6 mm
Zoom Ratio:	x 18
Focus Operation:	Auto, Manual
Iris Operation:	Auto, Manual
Pan Range:	360° (Endless)
Tilt Range:	-10° ~ 190°
Pan Speed:	Manual: 0.5°/s ~ 90°/s, Preset: 400°/s (max.)
Tilt Speed:	Manual: 0.5°/s ~ 90°/s,Preset: 400°/s (max.)
Range Panning:	360° endless
Presets:	256
Protocol:	Pelco D, Pelco P, ...
Serial Interface(s):	RS-485
PTZ Control:	Auto PAN, Preset, Sequence and Cruise Function Support
PTZ Control:	Pan & Tilt speed proportional to Zoom ratio (On/Off)
Alarm Inputs:	4
Alarm Outputs:	2
OSD:	Yes
Number of Privacy Zones:	16
BLC:	On/Off
AGC:	Auto, Manual
Digital Noise Reduction (DNR):	On/Off
White Balance:	Auto, Manual, Indoor, Outdoor, ATW
Protection Rating:	IP66
Operating Temperature:	-40°C ~ +50°C
Humidity:	10 ~ 90% no condensation
Supply Voltage:	24 VAC
Power Consumption:	65 W
Dimensions:	Ø 193.36 x 282.41 mm
Weight:	2.4 kg

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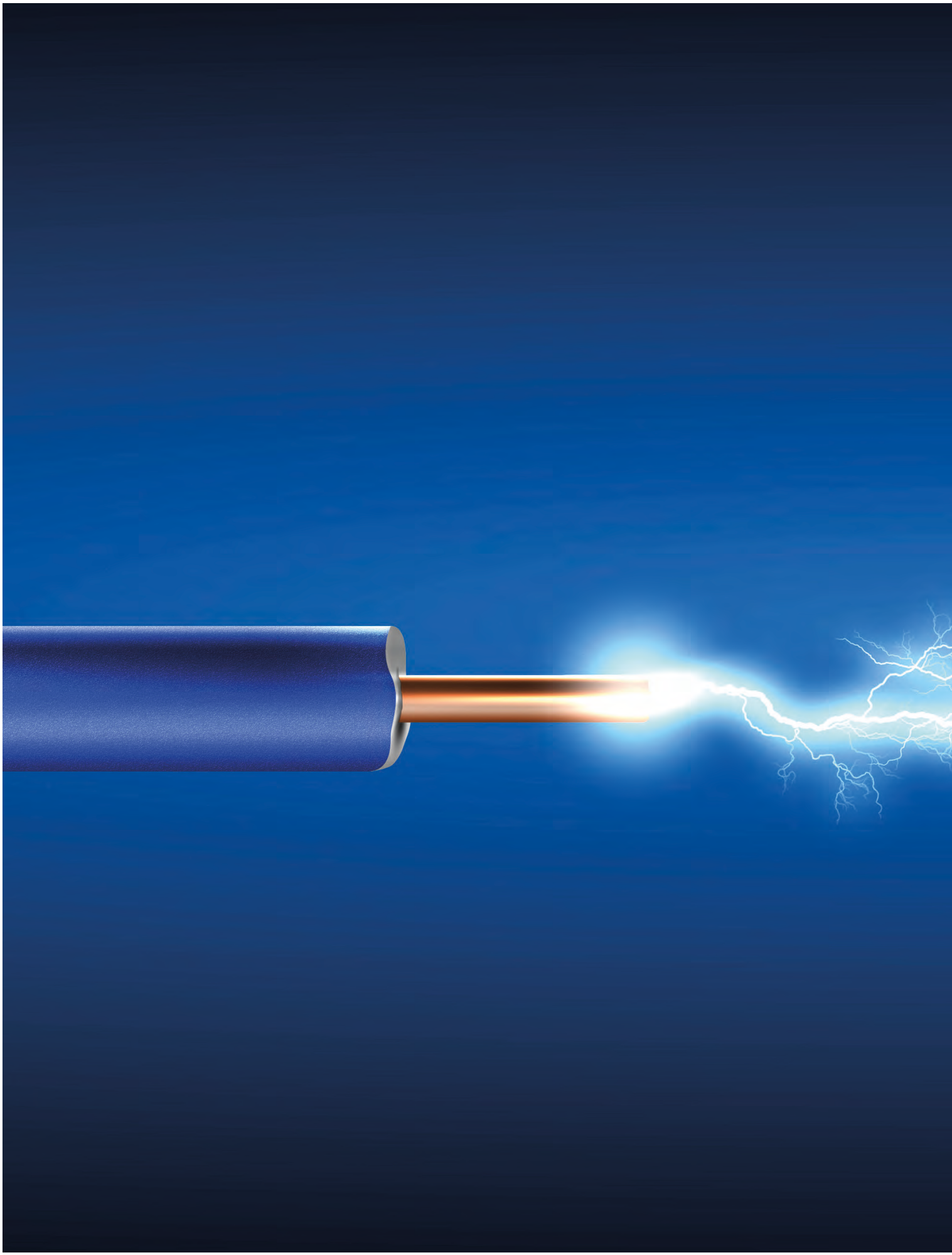
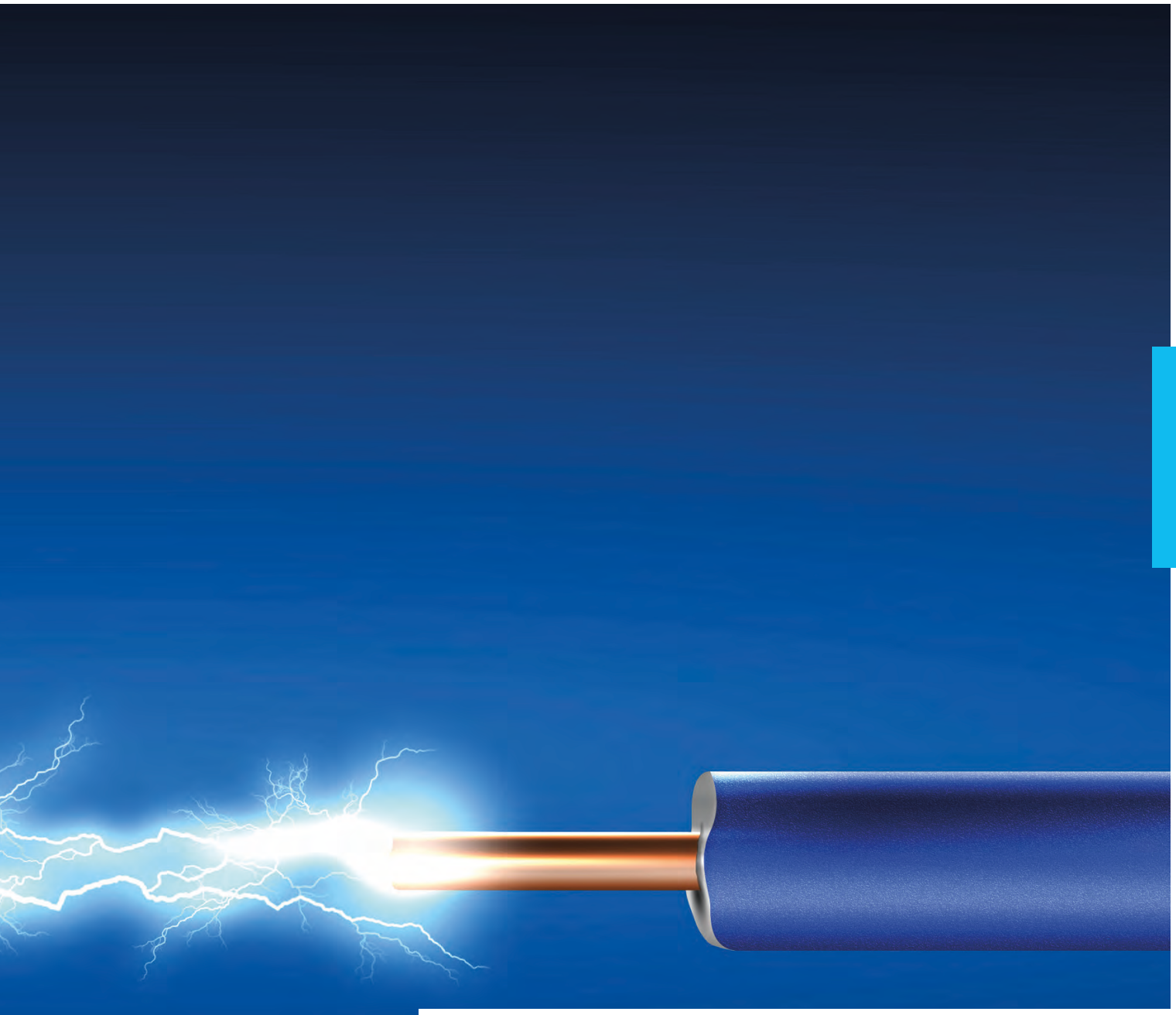




Analogue DSP Cameras

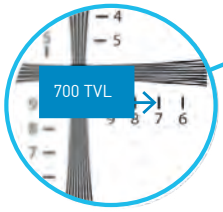
High quality, reliable and effective

Grundig analogue cameras have been designed and built to the very highest standards. Grundig has selected components which deliver outstanding image quality, including the very best image sensors, lenses and digital signal processors (DSPs). The cameras have been designed for up-to-date surveillance applications, incorporating functionality such as extended dynamic range, motion adaptive digital noise reduction, intelligent video analytics and more. All the cameras in the Grundig analogue range have unique features and different casing design options to suit all eventualities. Outdoor options include bullet cameras with infrared LEDs, motorised domes and vandal-resistant domes. Indoor options include a large range of dome cameras, box cameras and motorised domes.

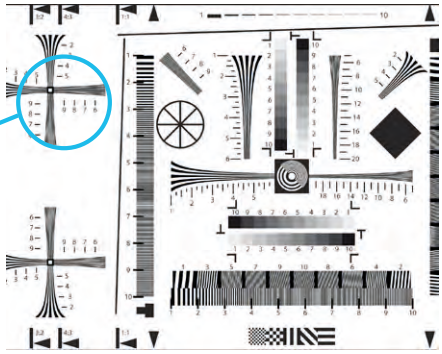
High resolution

Higher horizontal resolution of over 650TVL by 960H CCD image sensor.

960H series



True captured image with 960H CCD image sensor.



Resolution test chart

i Confirmed maximum resolution to achieve the 700TVL. Measurement method is referred to JEITA (TTR-4602B).

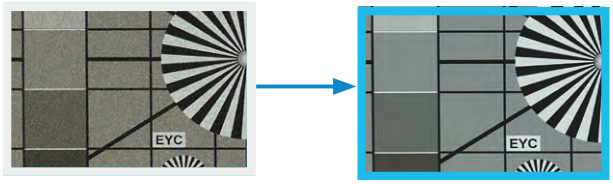
Noise reduction and digital noise reduction

Noise reduction is a function that reduces image noise, improving the image quality of a camera. It is particularly important in reducing the noise generated under low-light conditions and other high-gain, camera settings. The Enhanced 960H sensor comes with a two dimensional noise reduction (2 DNR) feature.
The 960H comes with two noise reduction features, 2 DNR and three dimensional, time-based, noise reduction (3 DNR).

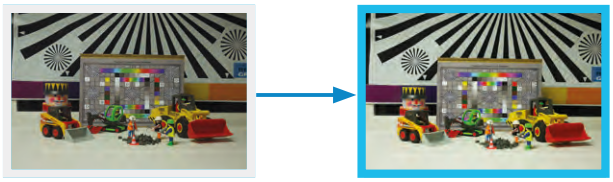
The Digital Noise Reduction technology within the Grundig analogue camera range minimises image noise and movement blur. The cameras are ideal for challenging night-time or low-light surveillance applications and camera scenes containing a lot of moving objects.

The technology incorporates a specialist filter system comprising an intuitive 2D filter to reduce noise in low light parts of an image and an adaptive 3D filter which increases image clarity where movement occurs.

OFF ON



OFF 2D+3D-NR ON

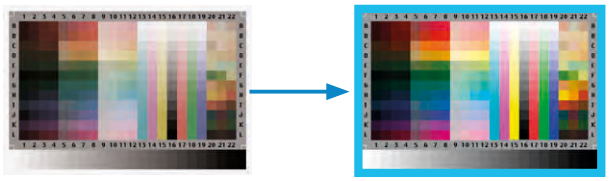


Excellent colour reproduction

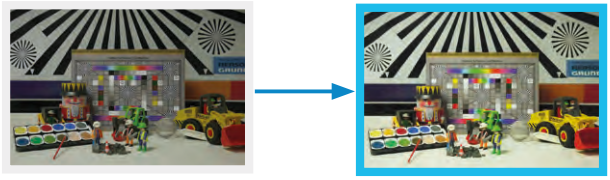
Excellent colour reproduction in a variety of lighting conditions.

Conventional „Effio“ Series

Halogen Lamp



Artificial sunlight



Wide dynamic range (WDR)

Wide Dynamic Range (WDR) reduces the over or under exposure of images in high-contrast scenes. It uses digital signal processing to combine multiple images, processed by the camera at different exposure rates, into a single image, higher quality image.

WDR off

WDR on

Back-lit or high-contrast scenes, such as the glass entrance areas of a building, can lose detail in the darker parts of an image. The GRUNDIG PAL camera range offers excellent image quality for all high contrast scenes, without compromising image detail in either the light or dark zones. The GRUNDIG WDR cameras use a wide dynamic range sensor to improve recording under back-lit conditions, by up to 160 times.

Exposure control for IR light

The Smart IR function prevents over exposure of the image. When a person, or target, is closer to the camera and the IR LEDs are on, the Smart IR function adjusts IR brightness to avoid overexposure.

OFF

ON

Privacy protection

It is essential that any CCTV camera is able to meet privacy laws and regulations, viewing only the required and legal areas in a scene.

GRUNDIG analogue cameras contain Privacy Masking technology, allowing private areas of a scene to be blanked out. This technology is easily configured to suit each application and camera view.

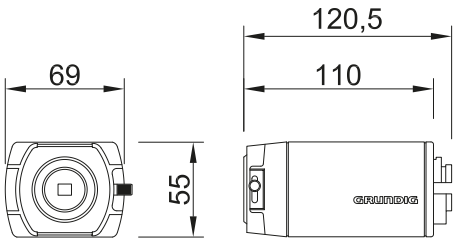
GCA-B1002B, GCA-B1302B

		650 TV lines 650 TV lines	DNR
HIGHLIGHTS	Cost-effective professional camera with metal casing	GCA-B1002B, GCA-B1302B	
	650 TV Lines excellent high horizontal resolution		

Key features and benefits

- High light compensation (converting peak light areas of a scene into greyscale)
- Privacy zone masking (polygonal)
- 650 TV Lines with excellent horizontal resolution
- High sensitivity down to 0.01 Lux
- Digital noise reduction (DNR)

Dimensions



Item code	Brief description
GCA-B1002B	1/3" CCD colour box camera 650TVL 230 VAC
GCA-B1302B	1/3" CCD colour box camera 650TVL 12 VDC/24 VAC

	GCA-B1002B	GCA-B1302B
Image Sensor:	1/3" CCD Sony 960H Ex-view HAD II	
Scanning System:	PAL, 50Hz, 625L (V), 2:1 Inter Line Transfer	
Pixels - Effective:	976(H) x 582(V)	
Resolution:	650 (H) lines	
Col/B&W:	Auto, Color, fixed IR-cut filter	
Sensitivity Colour:	0.01 Lux (50IRE) @ F1.2	
S/N Ratio:	>52dB (AGC off)	
Lens Mount:	C/CS mount with adaptor	
Lens Drive Type:	Auto iris (DC)	
Motion Detection:	On/Off	
Number of Privacy Zones:	4 ea	
High Speed Shutter:	1/50 ~ 1/10.000 sec, auto	
BLC:	BLC / HLC / off	
AGC:	Off, On (x0.25/x0.5/x0.75/x1)	
Digital Noise Reduction (DNR):	Off, On 2D	
Additional Features:	H Reverse, High Light Compensation	
OSD:	Yes (DE,EN,ES,FR,RU,PT,JP)	
Camera ID:	52 characters, 2 lines	
White Balance:	ATW/PUSH/Anti CR/Manual/User 1/User 2	
Video Outputs:	1 CVBS (1Vpp), BNC	
Humidity:	less than 90%, non-condensing	
Operating Temperature:	-10°C ~ +50°C	
Supply Voltage:	100 ~ 240 VAC, 50/60Hz	12 VDC/24 VAC

Grundig reserves the right to change specifications without notice

GCA-B1005B, GCA-B1305B

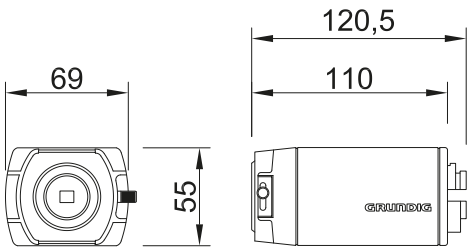
		700 TV lines	Day & Night	WDR	DNR
HIGHLIGHTS	Up to 700 TV Lines				
	Effio P DSP with WDR, DNR, DIS & HLC				

GCA-B1005B, GCA-B1305B

Key features and benefits

- 700 TV Lines (B/W), 650 TV Lines (colour), excellent horizontal resolution
- High sensitivity down to 0.001 Lux
- True day/night function with removable IR cut filter
- Wide dynamic range (WDR)
- Digital noise reduction (DNR)
- Digital image stabilization (DIS)
- High light compensation (converting peak light areas of a scene into greyscale)
- Privacy zone masking
- Remote coaxial control interface

Dimensions



Item code	Brief description
GCA-B1005B	1/3" CCD box camera 700TVL ICR WDR 12VDC/24VAC
GCA-B1305B	1/3" CCD box camera 700TVL ICR WDR 230VAC

	GCA-B1005B	GCA-B1305B
Image Sensor:	1/3" CCD Sony 960H Super HAD II	
Scanning System:	PAL, 50Hz, 625L (V), 2:1 Inter Line Transfer	
Pixels - Effective:	976(H) x 582(V)	
Resolution:	650 (H) lines colour, 700 (H) lines b&w	
Col/B&W:	Auto, Color, removable IR-cut filter	
Sensitivity Colour:	0.01 Lux (50IRE) @ F1.2	
Sensitivity B&W:	0.001 Lux (50IRE) @ F1.2	
S/N Ratio:	>52dB (AGC off)	
Lens Mount:	C/CS mount with adaptor	
Lens Drive Type:	Auto iris (DC)	
Sens Up:	Off ~ x512, auto	
Motion Detection:	On/Off	
Number of Privacy Zones:	15 ea	
Wide Dynamic Range:	Normal / Light / Full	
High Speed Shutter:	1/50 ~ 1/10.000 sec, auto	
BLC:	BLC / HLC / off	
AGC:	Off, On (x0.25/x0.5/x0.75/x1)	
Digital Noise Reduction (DNR):	Low/Midlow/Mid/Midhigh/High/Off (2D/3D)	
Digital Image Stabilization (DIS):	Off/On	
Additional Features:	H/V Reverse, High Light Compensation, E-Zoom	
OSD:	Yes (DE,EN,ES,FR,RU,PT,JP)	
Camera ID:	52 characters, 2 lines	
White Balance:	ATW/PUSH/Anti CR/Manual/User 1/User 2	
Remote Control:	Coaxitron, data on coax cable	
Video Outputs:	1 CVBS (1Vpp), BNC	
Humidity:	less than 90%, non-condensing	
Operating Temperature:	-10°C ~ +50°C	
Supply Voltage:	100 ~ 240 VAC, 50/60Hz	12 VDC/24 VAC

Grundig reserves the right to change specifications without notice

New for 2013
Coming out
3rd quarter

GCA-B4322D, GCA-B4326D

GCA-B4322D

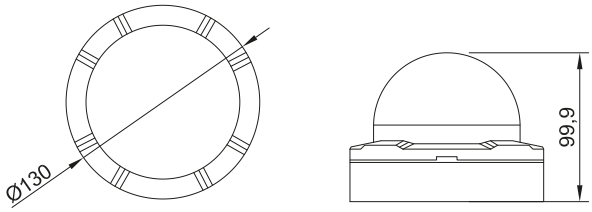
GCA-B4322D

		700 TV lines	Day & Night	DNR
HIGHLIGHTS	Cost-effective indoor dome camera	GCA-B4322D		
	True day/night indoor dome camera with IR LEDs	GCA-B4326D		

Key features and benefits

- High resolution up to 700 TV Lines
- 3-axis gimbal for wall & ceiling mounting
- Vari-focal lens 2.8 – 12mm
- Video enhancement DNR, BLC, HLC
- 4 polygonal privacy zones
- Dual power input 24VAC / 12VDC

Dimensions



Item code	Brief description
GCA-B4322D	1/3" CCD fixed dome camera 2.8~12 mm SOFT D/N
GCA-B4326D	1/3" CCD fixed dome camera 2.8~12 mm ICR 28 LED

	GCA-B4322D	GCA-B4326D
Image Sensor:	1/3" CCD Sony 960H Ex-view HAD II	
Scanning System:	PAL, 50Hz, 625L (V), 2:1 Inter Line Transfer	
Pixels - Effective:	976(H) x 582(V)	
Resolution:	650 (H) lines	650 (H) lines colour, 700 (H) lines b&w
Col/B&W:	Auto / Color (fixed IR Cut Filter)	Auto, Color removable IR-Cut Filter
Sensitivity Colour:	0.8 Lux (50IRE) @ F1.4 (SensUp=0, AGC Off)	0.8 Lux (50IRE) @ F1.4 (SensUp=0, AGC Off)
Sensitivity B&W:	0.8 Lux (50IRE) @ F1.4 (SensUp=0, AGC Off)	0 Lux LED IR on
S/N Ratio:	>52dB	
Lens Drive Type:	Auto iris (DC)	
Lens Focal Length:	2.8 ~ 12 mm, F1.4	
Motion Detection:	On/ Off/ Sensitivity/ 4 Area setting	
Number of Privacy Zones:	4 (polygonal method)	
High Speed Shutter:	1/50 ~ 1/10.000 sec, auto	
AGC:	Off, On (x0.25/x0.5/x0.75/x1)	
BLC:	BLC / HLC / off	
Digital Noise Reduction (DNR):	Off, On 2D	
Reverse:	H-REV	
OSD:	Yes (DE,EN,ES,FR,RU,PT,JP)	
Camera ID:	52 character, 2 lines	
White Balance:	ATW/PUSH/Anti CR/Manual/User1/User2/PUSH LOCK	
IR LED:		28 pcs.
Optical Wavelength:		850 nm
Video Outputs:	1 CVBS 1 Vpp (BNC) & 1 test monitor out	
Accessories included:	Multi-Language Manual, Template, Cabel for Service Monitor, Screws, Anchors	
Max. IR Distance:	-	15/25 m (according to scene reflexion)
Humidity:	less than 90%, non condensing	
Operating Temperature:	-10°C ~ +55°C	
Supply Voltage:	12 VDC / 24 VAC	

Accessories

Item code	Brief description	Page
GBR-WA05	Wall bracket	102

Grundig reserves the right to change specifications without notice

New for 2013
Coming out
3rd quarter

GCA-B4325D, GCA-B4327D

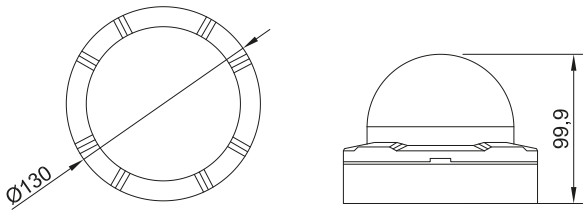
GCA-B4325D GCA-B4327D

		700 TV lines	Day & Night	WDR	DNR
HIGHLIGHTS	WDR true day/night dome camera				GCA-B4325D
	WDR true day/night dome camera with ICR and IR LEDs				GCA-B4327D

Key features and benefits

- High resolution up to 700 TV Lines
- High quality Tamron lenses
- Smart-IR LED function
- 3-axis gimbal for wall & ceiling mounting
- WDR for extreme backlight conditions
- Video enhancement DNR, BLC, HLC, DIS
- 15 polygonal privacy zones
- Remote control over coax (®Coaxitron)
- Dual power input 24VAC / 12VDC

Dimensions



Item code	Brief description
GCA-B4325D	1/3" CCD true day/night fixed dome camera with vari-focal lens and WDR
GCA-B4327D	1/3" CCD true day/night fixed dome camera with IR LEDs and WDR

	GCA-B4325D	GCA-B4327D
Image Sensor:	1/3" CCD Sony Super HAD II (dual shutter)	1/3" CCD Sony 960H Ex-view HAD II
Scanning System:	PAL, 50Hz, 2:1 Interlace, double scan	
Pixels - Effective:	976(H) x 582(V)	
Resolution:	650 (H) lines colour, 700 (H) lines b&w	
Col/B&W:	Auto, Color removable IR-cut filter	
Sensitivity Colour:	0.7 Lux(50IRE, Sensup=0, AGC off), 0.00001 Lux (15IRE, sense up x256)	0.4 Lux(50IRE, Sensup=0, AGC Off), 0.000007 Lux (15IRE, sense up x256)
Sensitivity B&W:	0.5 Lux(50IRE, Sensup=0, AGC off), 0 Lux (15IRE, sense up x256)	0 Lux LED IR on
S/N Ratio:	>52 dB	
Lens Drive Type:	Auto iris (DC)	
Lens Focal Length:	2.8 ~ 10.5 mm, F1.2 (TAMRON)	
Sens Up:	Off ~ x512, auto	
Motion Detection:	On/ Off/ Sensitivity/ 4 Area setting	
Number of Privacy Zones:	15 (polygonal method)	
WDR:	On, Off	
High Speed Shutter:	1/50 ~ 1/10.000 sec, auto	
AGC:	Off/ On (Very Low/ Low/ Mid /High /Very High/ User/ Fix)	
BLC:	BLC / HLC / off	
Digital Noise Reduction (DNR):	Low/Midlow/Mid/Midhigh/High/Off (2D/3D)	
Digital Image Stabilisation (DIS):	Off/On	
Digital Zoom:	Off/1 ~ 16x	
Reverse:	Off/ H-REV/ V-REV/ HV-REV	
OSD:	Yes (DE,EN,ES,FR,RU,PT,JP)	
Camera ID:	52 character, 2 lines	
White Balance:	ATW/PUSH/Anti CR/Manual/User1/User2/PUSH LOCK	
IR LED:	-	28 pcs.
Optical Wavelength:	-	850 nm
Remote Control:	Coaxitron, data on coax cable	
Video Outputs:	1 CVBS 1 Vpp (BNC) & 1 test monitor out	
Accessories included:	Multi-Language Manual, Template, Cabel for Service Monitor, Screws, Anchors	
Max. IR Distance:		15/25 m (according to scene reflexion)
Humidity:	less than 90%, non condensing	
Operating Temperature:	-10°C ~ +55°C	
Supply Voltage:	12 VDC / 24 VAC	

Accessories

Item code	Brief description	Page
GBR-WA05	Wall bracket	102

Grundig reserves the right to change specifications without notice

New for 2013
Coming out
3rd quarter

GCA-B4323V & GCA-B4326V

GCA-B4323V

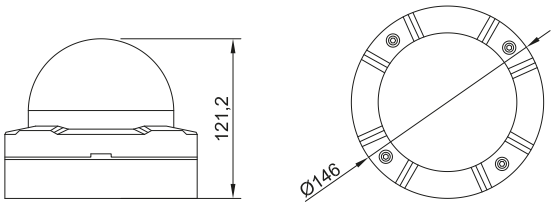
GCA-B4326V

		700 TV lines	Day & Night	DNR
HIGHLIGHTS	Cost effective true day/night outdoor dome camera	GCA-B4323V		
	True day/night outdoor dome camera with IR LEDs	GCA-B4326V		

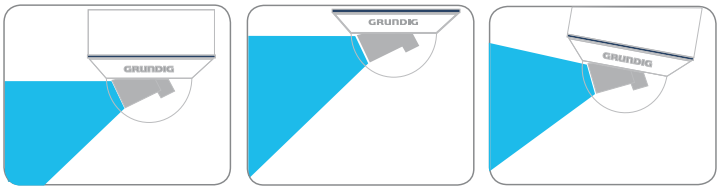
Key features and benefits

- High resolution up to 700TVL
- 3-axis gimbal for wall & ceiling mounting
- Vari-focal lens 2.8 – 12mm
- Video enhancement DNR, BLC, HLC
- 4 polygonal privacy zones
- Extended temperature range -25°C - +55°C
- Dual power input 24VAC / 12VDC

Dimensions



Three ways to mount



Flat | Flush | Angle (optional)

Item code	Brief description
GCA-B4323V	1/3" CCD true day/night fixed dome camera 2.8~12 mm lens ICR
GCA-B4326V	1/3" CCD fixed dome camera 2.8~12 mm lens ICR 24 LED

	GCA-B4323V	GCA-B4326V
Image Sensor:	1/3" CCD Sony 960H Ex-view HAD II	
Scanning System:	PAL, 50Hz, 625L (V), 2:1 Inter Line Transfer	
Pixels - Effective:	976(H) x 582(V)	
Resolution:	650 (H) lines colour, 700 (H) lines b&w	
Col/B&W:	Auto, Color, removable IR-Cut Filter	
Sensitivity Colour:	0.8 Lux (50IRE) @ F1.4 (SensUp=0, AGC Off)	
Sensitivity B&W:	0.6 Lux (50IRE) @ F1.4 (SensUp=0, AGC Off)	0 Lux LED IR on
S/N Ratio:	>52dB (AGC off)	
Lens Drive Type:	Auto iris (DC)	
Lens Focal Length:	2.8 ~ 12 mm	
Motion Detection:	On/ Off/ Sensitivity/ 4 Area setting	
Number of Privacy Zones:	4 (polygonal method)	
High Speed Shutter:	1/50 ~ 1/10.000 sec, auto	
AGC:	Off, On (x0.25/x0.5/x0.75/x1)	
BLC:	BLC / HLC / off	
Digital Noise Reduction (DNR):	Off, On 2D	
OSD:	Yes (DE,EN,ES,FR,RU,PT,JP)	
Video Outputs:	1 CVBS 1 Vpp (BNC) & 1 test monitor out	
Camera ID:	52 character, 2 lines	
White Balance:	ATW/Push/User1/User2/AntiCR/Manual/Push Lock	
IR LED:	-	28 pcs.
Optical Wavelength:	-	850 nm
Max. IR Distance:	-	15/30 m (according to scene reflexion)
Protection Rating:	IP66 / IK10	
Accessories included:	Multi-Language Manual, Template, Cabel for Service Monitor, Screws, Anchors	
Humidity:	less than 90%, non condensing	
Operating Temperature:	-25°C ~ +55°C	
Supply Voltage:	12 VDC / 24 VAC	

Accessories

Item code	Brief description	Page
GBR-FB02	Standard base	102
GBR-WA04	Wall bracket	102
GBR-WB02	Wedge base	104

Grundig reserves the right to change specifications without notice

New for 2013
Coming out
3rd quarter

GCA-B4325V, GCA-B5326V, GCA-B4327V, GCA-B5325V

GCA-B4325V,
GCA-B5325V

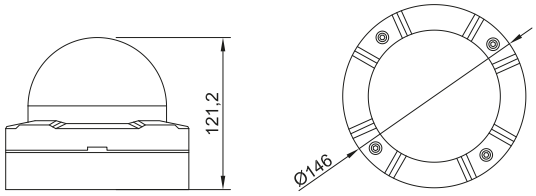
GCA-B4326V,
GCA-B4327V

		700 TV lines	DNR	WDR	Day & Night
HIGHLIGHTS	WDR true day/night dome camera				GCA-B4325V
	True day/night camera with low light sensor and IR LEDs				GCA-B5326V
	WDR true day/night camera with ICR and IR LEDs				GCA-B4327V
	WDR true day/night camera with 9 ~ 22mm lens				GCA-B5325V

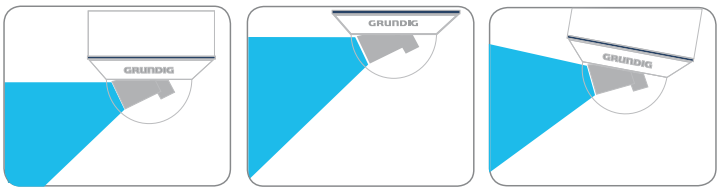
Key features and benefits

- Vandal-resistant housing (IK10)
- Extended temperature range -25°C - +55°C
- High resolution up to 700 TV Lines
- High quality Tamron lenses
- Smart-IR LED function
- 3-axis gimbal for wall & ceiling mounting
- 15 polygonal privacy zones
- Remote control over coax (®Coaxitron)
- Dual power input 24VAC/12VDC

Dimensions



Three ways to mount



Flat Flush Angle (optional)

Item code	Brief description
GCA-B4325V	1/3" CCD true day/night fixed dome camera WDR ICR
GCA-B5326V	1/3" CCD true day/night fixed dome camera ICR 28 IR LED
GCA-B4327V	1/3" CCD true day/night fixed dome camera WDR ICR 28 IR LED
GCA-B5325V	1/3" CCD true day/night fixed dome camera with 9 ~ 22mm lens and WDR

	GCA-B4325V	GCA-B4327V	GCA-B5325V	GCA-B5326V
Image Sensor:	1/3" CCD Sony 960H Super HAD II (dual shutter)			1/3" CCD Sony 960H Ex-view HAD II
Scanning System:	PAL, 50Hz, 2:1 Interlace, double scan			
Pixels - Effective:	976(H) x 582(V)			
Resolution:	650 (H) lines colour, 700 (H) lines b&w			
Col/B&W:	Auto/Color, removable IR-Cut Filter			
Sensitivity Colour:	0.7 Lux(50IRE, Sensup=0, AGC off) F1.2, 0.00001 Lux (15IRE, sense up x256) F1.2	0.7 Lux(50IRE, Sensup=0, AGC off) F1.2, 0.00001 Lux (15IRE, sense up x256) F1.2	0.8 Lux(50IRE, Sensup=0, AGC off) F1.8, 0.00001 Lux (15IRE, sense up x256) F1.8	0.4 Lux(50IRE, Sensup=0, AGC Off) F1.2, 0.000007 Lux (15IRE, sense up x256) F1.2
Sensitivity B&W:	0.5 Lux(50IRE, Sensup=0, AGC off) F1.2, 0 Lux (15IRE, sense up x256) F1.2	0 Lux LED IR on	0.6 Lux(50IRE, Sensup=0, AGC off) F1.8, 0 Lux (15IRE, sense up x256) f1.8	0 Lux LED IR on
S/N Ratio:	>52 dB			
Lens Drive Type:	Auto iris (DC)			
Lens Focal Length:	2.8 ~ 10.5 mm, F1.2 (TAMRON)		9 ~ 22 mm, F1.8	2.8 ~ 10.5 mm, F1.2 (TAMRON)
Viewing Angle:	101.8°(W) ~ 27.4°(T)		30.6° (W) ~ 14° (T)	101.8°(W) ~ 27.4°(T)
Sens Up:	Off ~ x512, auto			
Motion Detection:	On/ Off/ Sensitivity/ 4 Area setting			
Number of Privacy Zones:	15 (polygonal method)			
High Speed Shutter:	1/50 ~ 1/10.000 sec, auto			
AGC:	Off/ On (Very LOW/ LOW/ Mid /High /Very High/ User/ Fix)			
WDR:	On, Off			
BLC:	On/Off/HLC			
Digital Noise Reduction (DNR):	Low/Midlow/Mid/Midhigh/High/Off (2D/3D)			
Digital Image Stabilisation (DIS):	Off/On			
Digital Zoom:	Off/1 ~ 16x			
OSD:	Yes (DE,EN,ES,FR,RU,PT,JP)			
Camera ID:	52 character, 2 lines			
Reverse:	Off/ H-REV/ V-REV/ HV-REV			
White Balance:	ATW/Push/User1/User2/AntiCR/Manual/Push Lock			
IR LED:	-	28 pcs.	-	28 pcs.
Optical Wavelength:	-	850 nm	-	850 nm
Max. IR Distance:	-	15/30 m (according to scene reflexion)	-	15/30 m (according to scene reflexion)
Protection Rating:	IP66 / IK10	IP66 / IK10		IP66 / IK10
Remote Control:	Coaxitron, data on coax cable			
Video Outputs:	1 CVBS 1 Vpp (BNC) & 1 test monitor out			
Accessories included:	Multi-Language Manual, Template, Cabel for Service Monitor, Screws, Anchors			
Humidity:	less than 90%, non condensing			
Operating Temperature:	-25°C ~ +55°C			
Supply Voltage:	12 VDC / 24 VAC			

Accessories

Item code	Brief description	Page
GBR-FB02	Standard base	102
GBR-WA04	Wall bracket	102
GBR-WB02	Wedge base	104

Grundig reserves the right to change specifications without notice

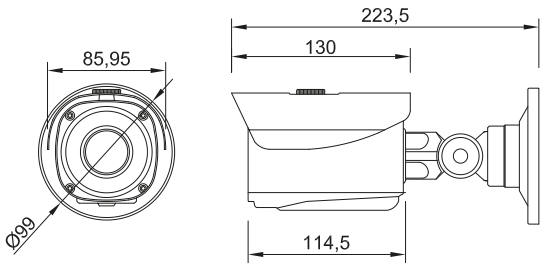
GCA-B2326T, GCA-B3326T, GCA-B2357T

		700 TV lines	DNR	WDR	Day & Night
HIGHLIGHTS	IR LEDs with SMART IR control	All			
	External zoom/focus adjustment with screwdriver for easy and fast adjustment	GCA-B2326T			
	High quality 5 ~ 50mm lens for long-distance applications	GCA-B3326T			
	AFZ lens 3.8 – 38mm with defog feature	GCA-B2357T			

Key features and benefits

- High resolution up to 700 TV Lines
- High quality Tamron lenses
- 3-axis bracket for wall & ceiling mounting
- Extended temperature range -25°C - +55°C
- Video enhancement DNR, BLC, HLC, DIS
- 15 polygonal privacy zones
- Remote control over coax (Coaxitron®)
- Dual Power Input AC24/ DC12 V

Dimensions



Item code	Brief description
GCA-B2326T	1/3“ CCD vari-focal bullet camera 2.8~12mm with external adjustment and 42 LEDs
GCA-B3326T	1/3“ CCD vari-focal bullet camera 5~50mm with external adjustment and 42 LEDs
GCA-B2357T	1/3“ CCD bullet camera with AFZ 3.8~38mm lens and 35 LEDs

	GCA-B2326T	GCA-B3326T	GCA-B2357T
Image Sensor:	1/3" CCD Sony 960H Ex-view HAD II		1/4" CCD Sony 960H Super HAD II
Scanning System:	PAL, 50Hz, 625L (V), 2:1 Inter Line Transfer		
Pixels - Effective:	976(H) x 582(V)		
Resolution:	650 (H) lines colour, 700 (H) lines b&w		
Col/B&W:	Auto, Color, removable IR-Cut Filter		
Sensitivity Colour:	0.7 Lux(50IRE, Sensup=0, AGC off) F1.2, 0.00001 Lux (15IRE, sense up x256) F1.2	0.8 Lux(50IRE, Sensup=0, AGC off) F1.2, 0.00001 Lux (15IRE, sense up x256) F1.2	0.9 Lux(50IRE, Sensup=0, AGC off) F1.2, 0.00001 Lux (15IRE, sense up x256) F1.2
Sensitivity B&W:	0 Lux LED IR on		
S/N Ratio:	>52 dB		
Zoom Ratio:	-		x 10
Lens Drive Type:	Auto iris (DC)		
Lens Focal Length:	2.8 ~ 12 mm	5 ~ 50 mm	3.8 ~ 38 mm
Viewing Angle:	-	51.5°(W) ~ 6.5°(T)	50.64°(W) ~ 5.47°(T)
Adjustment zoom and focus:	External		
Sens Up:	Off ~ x512, auto		Off ~ x256, auto
Motion Detection:	On/ Off/ Sensitivity/ Area setting		
Number of Privacy Zones:	15 (polygonal method)		8 (polygonal method)
High Speed Shutter:	1/50 ~ 1/10.000 sec, auto		
BLC:	On/Off/HLC		BLC / HLC / off
Wide Dynamic Range:	-		On/Off
Digital Noise Reduction (DNR):	Low/Midlow/Mid/Midhigh/High/Off (2D/3D)		
Digital Image Stabilisation (DIS):	Off/On		
Digital Zoom:	Off/1 ~ 16x		
Reverse:	Off/ H-REV/ V-REV/ HV-REV		
OSD:	Yes (DE,EN,ES,FR,RU,PT,JP)		
Camera ID:	52 character, 2 lines		
White Balance:	ATW/Push/User1/User2/AntiCR/Manual/Push Lock		
IR LED:	42 pcs.		35 pcs.
Optical Wavelength:	850 nm		
Max. IR Distance:	30/45 m (according to scene reflexion)	45/70 m (according to scene reflexion)	35/50 m (according to scene reflexion)
Protection Rating:	IP66		
Remote Control:	Coaxitron, data on coax cable		-
Video Outputs:	1 CVBS 1 Vpp (BNC) & 1 test monitor out		
Accessories included:	Multi-Language Manual, Template, Cabel for Service Monitor, Screws, Anchors		
Humidity:	less than 90%, non condensing		
Operating Temperature:	-25°C ~ +55°C		
Supply Voltage:	12 VDC / 24 VAC		

Accessories

Item code	Brief description	Page
GBR-FB03	Connection base	102

Grundig reserves the right to change specifications without notice

GCA-C0335P, GCA-C0345P, GCA-C0245P

GCA-C0335P

GCA-C0345P

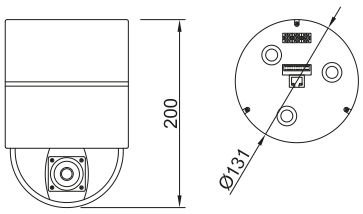
GCA-C0245P

		360°	WDR	Day & Night
HIGHLIGHTS	Outdoor motorised dome camera 36x AF optical zoom			GCA-C0245P
	Indoor motorised dome camera 36x AF optical zoom			GCA-C0345P
	Indoor motorised dome camera 12x AF optical zoom			GCA-C0335P

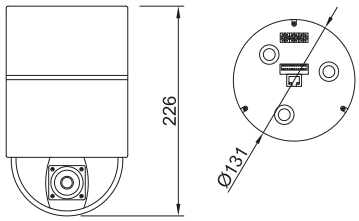
Key features and benefits

- DNR, WDR, BLC
- Extended tilt range -10° ~ 190°
- Privacy mask function (16 zones)
- Automatic pan/tilt speed adjustment proportional to zoom
- Presets, sequence, auto-pan and cruise function
- Digital image stabilisation (DIS)

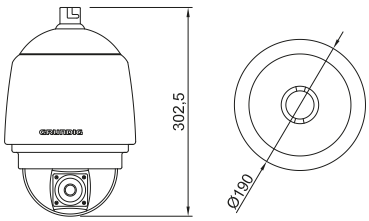
Dimensions



GCA-C0335P



GCA-C0345P



GCA-C0245P

Item code	Brief description
GCA-C0245P	Outdoor motorised dome camera 36x Zoom ICR WDR
GCA-C0345P	Indoor motorised dome camera 36x Zoom ICR WDR
GCA-C0335P	Indoor motorised dome camera 12x Zoom ICR WDR

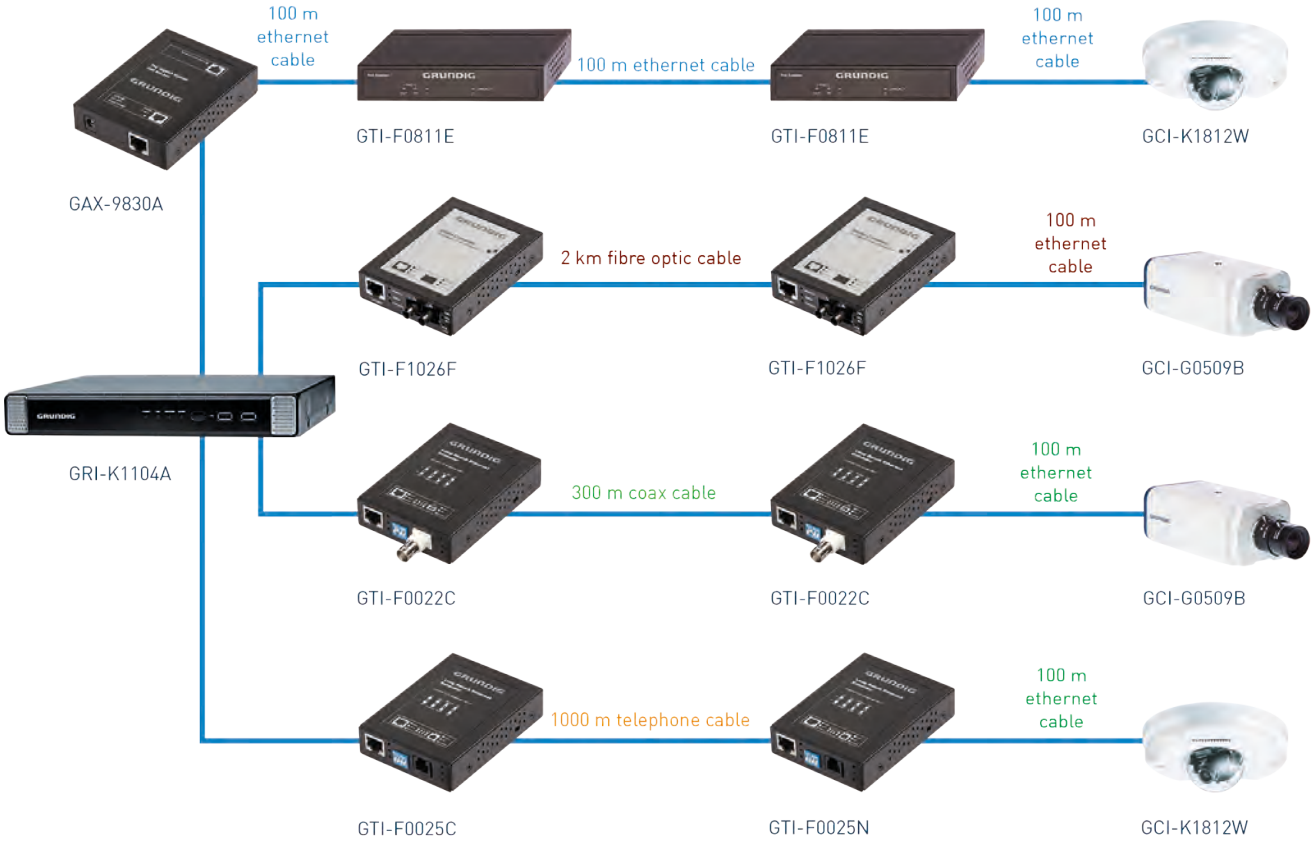
	GCA-C0335P	GCA-C0345P	GCA-C0245P
Image Sensor:	1/4" CCD (Super HAD 2 CCD)		
Pixels - Total:	976 x 582 (570k)		
Resolution:	650(H) lines		
Col/B&W:	On/Off/Auto, IR-cut filter removable (ICR)		
Sensitivity:	0.1 lux (Colour) / 0.01 lux (B&W)		
Zoom Ratio:	x 12	x 36	
Focal Length:	3.8 ~ 45.6 mm	3.4 ~ 122.4 mm	
Aperture Ratio:	F 1.6 ~ C		
Lens Drive Type:	Auto iris, DC		
Digital Zoom:	Off/1 ~ 12x		
OSD:	Yes, Multiple languages		
BLC:	On/Off		
WDR:	On/Off		
Digital Noise Reduction (DNR):	2 DNR/3 DNR (Off/On)		
Digital Image Stabilisation (DIS):	Off/On		
White Balance:	Auto / Manual		
Camera ID:	20 characters		
Number of Privacy Zones:	16		
Presets.	256		
Sequence:	8		
Cruise:	8		
Range Panning:	360° endless		
Range Tilting:	-10° ~ 190°		
Pan Speed:	Manual: 1°/s ~ 80°/s, Preset: 400°/s (max.)	Manual: 0.5°/s ~ 90°/s, Preset: 400°/s (max.)	
Tilt Speed:	Manual: 0.5°/s ~ 90°/s, Preset: 400°/s (max.)"		
Alarm Inputs:	8		
Alarm Outputs:	1		
Protocol:	Pelco P/D, AD422, PHILIPS, KALATEL, VCL, JVC, DSCP		
Protection Rating:	-		IP66/IK10
Operating Temperature:	0°C ~ +40°C		-40°C ~ +50°C
Humidity:	less than 90%		
Supply Voltage:	24 VAC, 50/60Hz		
Power Consumption:	14 W	20 W	65 W
Weight:	1.2 kg	1.6 kg	2.6 kg
Dimensions (W x H x D):	ø131 x 200 mm	ø131 x 226 mm	ø190 x 302,5 mm

Transmission

Transmission is important for reliable, real-time data transfer

Use the Grundig transmission products to bridge large distances in your network.
By supporting a range of media (fibre optic cable, telephone wire, coaxial cable) Grundig transmission products can flexibly connect to existing wiring. This guarantees real time transfer of video data, using the latest standards in network technology.

Application diagram



Grundig Converting

Grundig converters offer switching between different transmission media. While using a single network connection at one site, it is possible to simultaneously use fibre optic, coaxial or telephone cable to bridge longer distances at high bandwidth applications. The latest network technology provides low latency for system critical video, voice or data applications. Grundig HD-SDI converters are designed to use HDMI to transfer camera images directly to the viewed display.

Grundig Repeating

Grundig Repeaters extend the network or HD-SDI signal over existing cable structures, without losing video quality to beyond 100m. The network repeaters are self-powered, using PoE and forwards Power over Ethernet to the remote device. The repeaters are fully transparent, so there are no restrictions to network traffic.

Grundig Power over Ethernet

The Grundig Power over Ethernet injector offers 30 W of power to remote devices, using existing network infrastructures and automatically detects and protects non-PoE devices.

Coaxial cable

Coaxial cables are asymmetrically constructed, high-frequency cables.
They comprise a signal-carrying inner conductor, a shield and a cable sheath.
Coaxial cable can be used anywhere, where high-frequency signals are to be transmitted or where signal interference must be eliminated.

Twisted Pair cable

Twisted pair cabling is a type of wiring in which two conductors of a single circuit are twisted together for the purposes of canceling out electromagnetic interference (EMI) from external sources; for instance, electromagnetic radiation from unshielded twisted pair (UTP) cables, and crosstalk between neighboring pairs

In contrast to FTP (foiled twisted pair) and STP (shielded twisted pair) cabling, UTP (unshielded twisted pair) cable is not surrounded by any shielding. It is the primary wire type for telephone usage and is very common for computer networking, especially as patch cables or temporary network connections due to the high flexibility of the cables.

Fibre optic cable

Fibre optic cables can be made of fibre glass or plastic. They offer extremely high data transfer rates, which can amount to several billion bits / sec.
This impressive data transmission capacity is made possible by the modulation of different wavelengths of light. Optical fibres are immune to electromagnetic interference and have extremely low attenuation values.

GEC-D2201AR

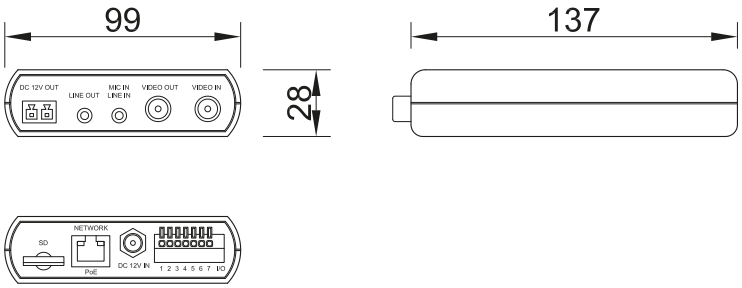
Full HD 1080p | 18x Zoom | DNR | WDR

HIGHLIGHTS	Video and audio real-time transmission	GEC-D2201AR
	Power analogue cameras using PoE – a one cable solution	

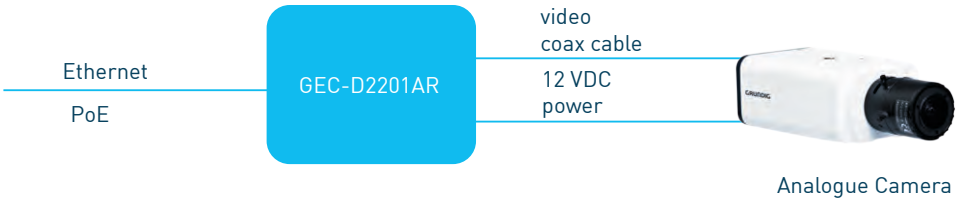
Key features and benefits

- Single channel video encoder – D1 dual video stream at 25fps
- RS485 interface for PTZ telemetry control
- Power inputs 12VDC or PoE
- Power output 12VDC 580mA
- Micro SD/SDHC memory card slot for recording on the device
- Bi-directional audio support

Dimensions



One cable solution



Item code	Brief description
GEC-D2201AR	Single channel video / audio encoder with D1 dual H.264/MJPEG video stream

	GEC-D2201AR
Video Inputs:	1 CH Composite, BNC
Video Outputs:	1 CVBS, 1Vpp, BNC
Audio Inputs:	1x 3.5mm jack
Audio Outputs:	1x 3.5mm jack
Power Output:	12 VDC / 580 mA
Network:	10/100 Base-T
Client OS:	MS Windows xP / VISTA / 7 / Mac OS
Web Browser:	MS Internet Explorer 6.0 (or higher), Firefox, Google Chrome, Safari
Video Compression:	H.264, MJPEG
Video Resolution:	D1 (720x576), CIF (352x288)
Alarm Inputs:	1
Alarm Outputs:	1
Alarm Event:	Alarm Input, Motion Detection: Image transfer FTP, E-mail, recording on Micro SD-card
Network Protocol:	TCP/UDP/IP, HTTP, FTP, SMTP, ARP, ICMP, DHCP, Telnet, RTP/RTSP
Network Streaming:	Dual H.264, simultaneously H.264+MJPEG
Audio Compression:	G.726, G.711
Serial Interface(s):	RS-485 (Pelco-D/P)
Power out:	12 VDC/500mA (for camera support)
PTZ Control:	Pan/Tilt/Zoom/Focus, Camera OSD adjustment
Software Upgrade:	Firmware Upgrade by Web Browser
Login Access Level:	up to 20 users, 1 Administrator
Recording:	Micro SD memory slot for internal recording
DDNS:	Supporting Public DDNS servers
Operating Temperature:	-10°C ~ +50°C
Humidity:	10 ~ 90% no condensation
Supply Voltage:	12 VDC / PoE
Power Consumption:	4.2 W
Weight:	0.2 kg
Dimension (W*H*D)	137 x 99 x 28 mm

Grundig reserves the right to change specifications without notice

GTI-F0022C, GTI-F0025N, GAX-P9830A, GTI-F0811E, GTI-F1026F

GTI-F0022C

GTI-F0025N

GAX-P9830A

GTI-F0811E

GTI-F1026F

HIGHLIGHTS	Easy adjustment with DIP switcher	GTI-F0022C, GTI-F0025N
	Plug & play PoE repeater*	GTI-F0811E
	High PoE IEEE 802.1at (30W)	GAX-P9830A
	Network transmission over 2 km	GTI-F1026F

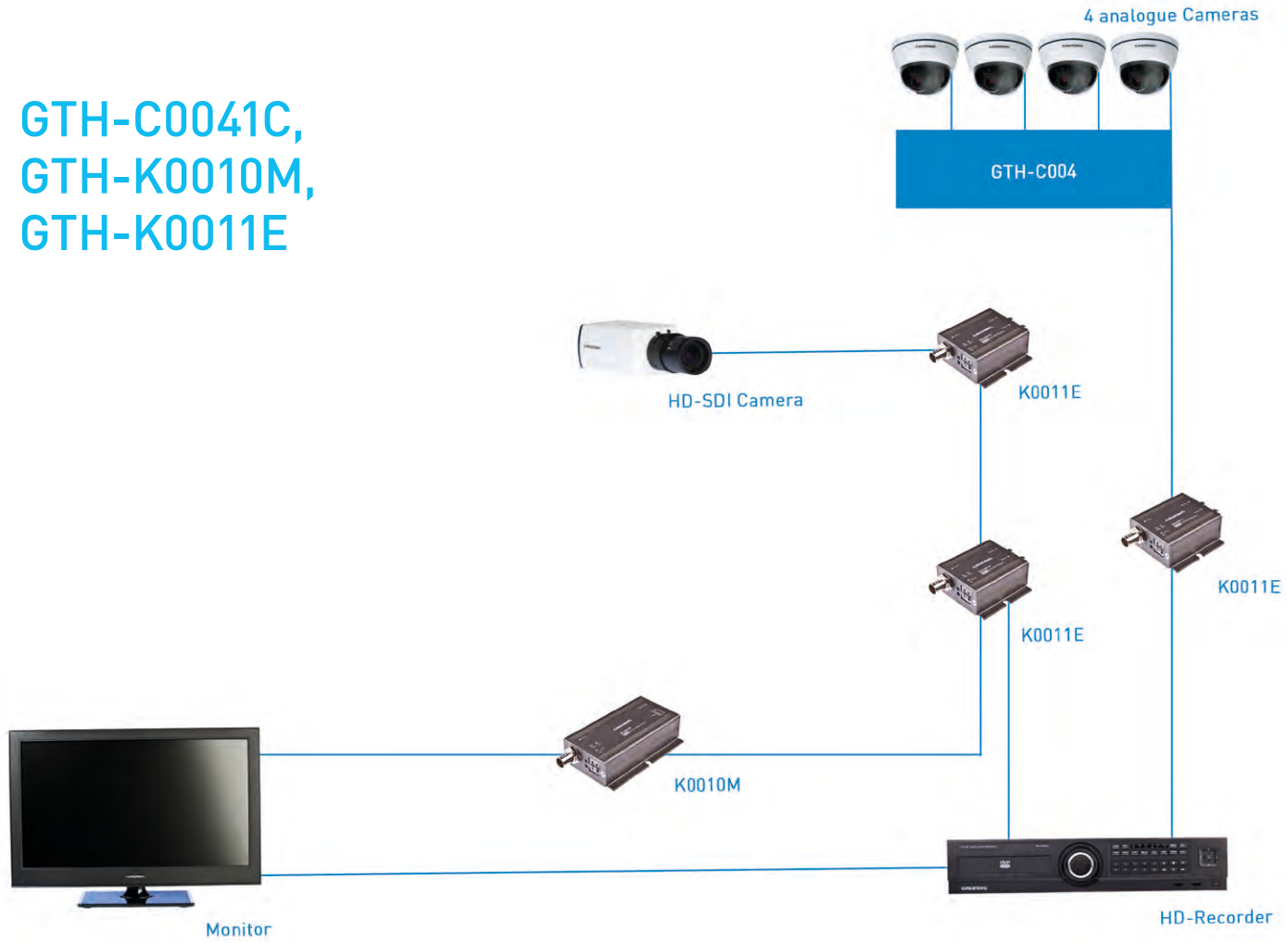
Key features and benefits

- Robust metal housing
- included power adaptor (* except GTI-F0811E - no power adaptor needed)

Item code	Brief description
GTI-F0022C	Ethernet transmission VDSL2 over coaxial cable (pair)
GTI-F0025N	Ethernet transmission VDSL2 over telephone cable (pair)
GAX-P9830A	High-power gigabit ethernet injector IEEE802.3at
GTI-F0811E	LAN & Power over ethernet extender
GTI-F1026F	Media converter 10/100 BaseTx/Fx MM ST

	GTI-F0025N	GTI-F0022C	GTI-F0811E	GAX-P9830A	GTI-F1026F
Standards:	IEEE 802.3 10BaseT, IEEE 802.3u 100BaseTX, IEEE 802.3x full Duplex, ETSI, ITU, ANSI, Full ITU-T G993.2 (VDSL2) compatible	IEEE 802.3 10BaseT, IEEE 802.3u 100BaseTX, IEEE 802.3x full Duplex, ETSI, ITU, ANSI, Full ITU-T G993.2	IEEE 802.3, IEEE 802.3u, IEEE 802.3x	IEEE 802.af, IEEE 802.at, IEEE 802.3, IEEE 802.3u,	IEEE 802.3, IEEE 802.3u, IEEE 802.3x
Interfaces:	G.997.1 compatible, RJ11 female Phone jack, RJ-45 female Ethernet jack	G.997.1 compatible, BNC for coaxial cable, RJ-45 female Ethernet jack	1 x PD (Data + Power in), 1 x PSE (Data+Power out)	1 x RJ45 Data input, 1 x RJ45 Data + Power output	1 x 10/100BaseT with RJ45 Connector, 1 x 100BaseFX with Multi Mode, ST Fiber connector
Switching Method:	Store and Forward		-		
Data Transfer Rate:	1000Mbps port - 1.488.000pps 100Mbps port - 148.800pps 10Mbps port - 14.880pps		10Mbps port - 14,880 pps 100Mbps port - 148,800 pps		Ethernet: 10Mbps/ Half-Duplex, 20Mbps/ Full-Duplex Fast Ethernet: 100Mbps/ Half-Duplex, 200Mbps/ Full-Duplex
Wavelength:	-				850nm / 1310nm
Transmitter Output Power:	-				-20 ~ -14 dBm
Receiver Sensitivity:	-				max. -31 dBm
Power Budget:	-				11 dBm
LED Indicators:	Duplex, Speed, Link/ Act, Power, Master, Link/ Negotiation	Duplex, Speed, Link/ Act, Power, Master, Link/ Negotiation	PoE IN: PD (Link), Port 2: PD Link/Act, PoE Out: Link, Port 1: PSE Link/ Act	Power and PD Link	Per Port: (TX):Link/Act,-Speed, FDX/COL (FX): Link/Act, FDX/COL Per unit: Power
Power Output:	-			48 VDC / 30 W	-
Supply Voltage:	5 VDC		PoE IN/OUT (IEEE 802.3af)	48 VDC	5 VDC
Transmission Media:	10BaseT CAT. 3, 4, 5 UTP/ STP 100BaseTX CAT. 5 UTP/ STP 1000BaseT CAT. 5E UTP/ STP	Coax Cable 75 Ohm	100BaseTX Cat. 5/5e/6 UTP/STP, up to 100m		10BaseT Cat. 3, 4, 5 UTP/ STP, up to 100m 100BaseTX Cat. 5 UTP/ STP, up to 100m 100BaseFX: 50/125µm or 62,5/125µm Multi Mode ST-Type Fiber optical cable, up to 2km
Operating Temperature:	0°C ~ +45°C		0°C ~ +55°C	0°C ~ +45°C	0°C ~ +60°C
Storage Temperature:	-20°C ~ +90°C			-20°C ~ +85°C	-20°C ~ +90°C
Humidity:	10 ~ 90% no condensation				
Certification:	FCC Class A, CE				

GTH-C0041C, GTH-K0010M, GTH-K0011E

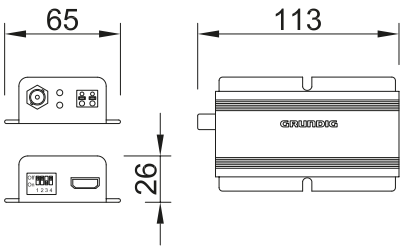


Full HD 1080p

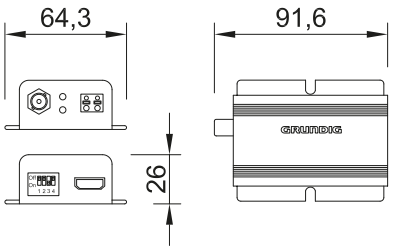
Plug & Play

HIGHLIGHTS	Plug & play HD-SDI repeater & distributor	GTH-K0011E
	Plug & play HD-SDI to HDMI converter	GTH-K0010M
	Plug & play 4 channel analogue to single channel HD-SDI converter	GTH-C0041C

Dimensions



GTH-K0010M



GTH-K0011E

Item code	Brief description
GTH-K0011E	Single channel repeater & dual channel distributor
GTH-K0010M	Single channel HD-SDI to HDMI converter
GTH-C0041C	4 channel CVBS to HD-SDI converter

Specifications	GTH-K0010M	GTH-K0011E	GTH-C0041C
Video Inputs:	1 CH HD-SDI, BNC		4 CH Composite, BNC
Video Outputs:	1 HDMI	2 CH HD-SDI, BNC	1 Ch HD-SDI, BNC
Video Resolution:	1080p 60RB, 1080p 60, 1080i 60, 720p 60	1080i 50/60, 1080p 25/30	Input: 4 CIF (704x576) , Output: 1080i 50/60 1080p 25/30/50/60
Max. Distance:	up to 140m (RG59), up to 200m (RG6)		
LED Indicator:	Power, link		Power
Compliant:	SMPTE 274M/292M/296M	SMPTE 274M/292M/296M	SMPTE-292/296M
Operating Temperature:	0°C ~ +50°C		
Humidity:	less than 80%, non-condensing		
Supply Voltage:	12 VDC (External Power Supply)		
Power Consumption:	4 W	3 W	6 W
Dimensions:	115 x 26x 65 mm	92 x 26 x 65 mm	93x92.5x35 mm
Weight:	0.14 kg	0.12 kg	0.21 kg

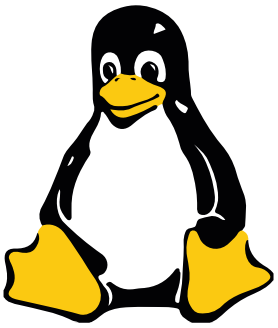
Recording Solutions

The backbone of every video surveillance system.

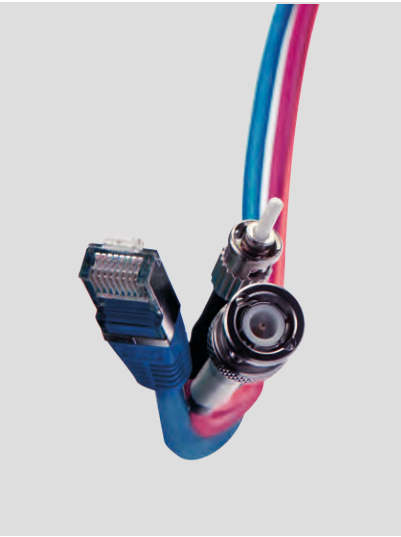
Grundig has developed a comprehensive range of recording devices to suit all the major video surveillance technologies: HD-SDI, IP and analogue.
We offer from 4- to 32-channel solutions. Further upgrades in capacity are available using our free CMS solutions.

Reliable and secure

The Grundig recording range is designed using Linux-based, embedded operating systems for maximum performance, reliability and protection against network crime and viruses.



®Linux is a registered trademark from Linus Torvalds and it is being used with his friendly permission. It was created with the software „GIMP".



IP, HD-SDI and analogue

Grundig offers specific recording solutions for each of the three core security technologies. Regardless of the technology used, Grundig recorders will always provide a reliable and high-quality solution.

System scalability

Grundig offers a versatile range of recording products, from 4- up to 32-channel devices. These can be controlled by a free management software that is able to control multiple devices simultaneously. This is ideal for system upgrades and changes. Grundig recording solutions cover all three security technologies and, combined with the new GCMS control management software, offer a versatile security system management, including live, playback, export and configuration of all new recording devices.

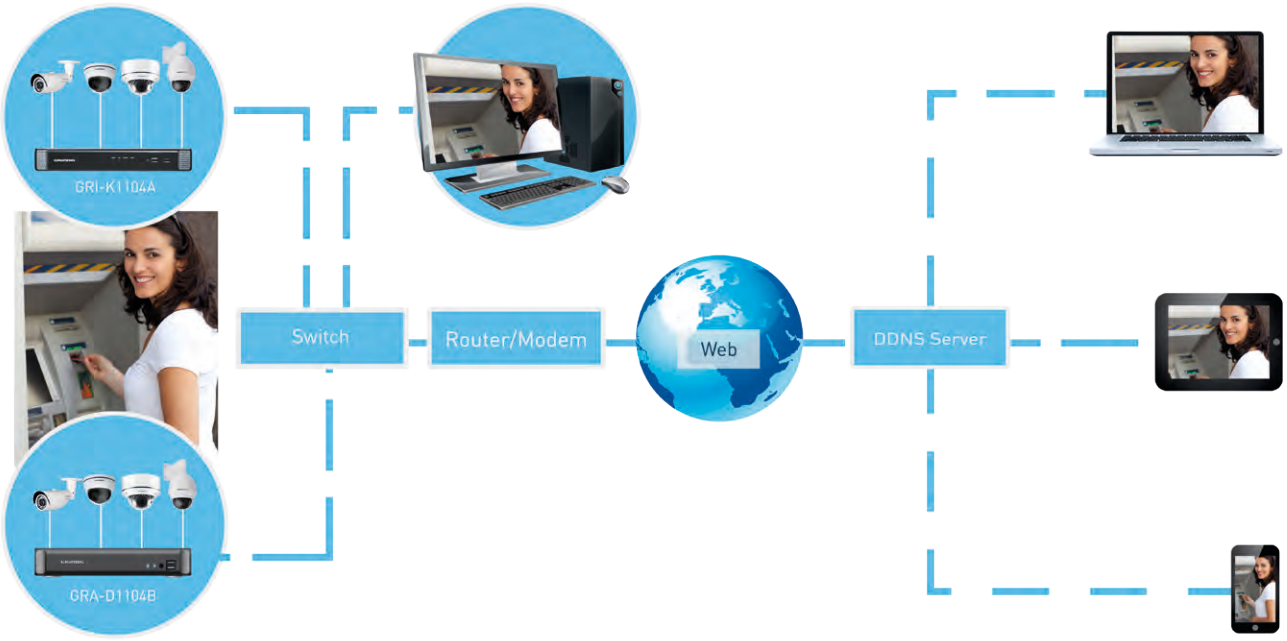
Exceptional image quality when it counts

All Grundig recording systems use H.246 compression technology to optimise hard drive storage capacity. The Recording settings can be programmed to alter data storage sizes and settings, to suit each application's priorities. Alarm events can be programmed to trigger live event recording in real-time, so no vital data is missed. Standard recording can be set at lower recording and compression rates to maximise the storage space.

Technology	GCMS compliant	Control Center compliant
IP	GRI-K1104A, GRI-K2208A, GRI-K4416A	
Analogue	GRA-D1104B, GRA-D2208B, GRA-D4416B, GRA-D4416A	GDV-C1104A, GDV-B2208A, GDV-A4416A, GDV-C4416A , GDV-B8832A
HD-SDI		GRH-K1004A, GRH-K2108A, GRH-K2116A

Remote access from anywhere in the world

All the Grundig recorders have a built-in DDNS service, allowing remote access to data from anywhere in the world. No registration is required for activation and the system is automatically set up. Recorder data can be viewed using the Grundig Software Solution web browser or by using a mobile phone app.



Protected user management

All Grundig recorders have password-protected, user access levels which can be tailored to the requirements of individuals at each site. Functionality can range from allowing specific users to access to secure covert channels, through to restricting access for live viewing only.

Everybody needs his own rights

GRI-K1104A, GRI-K2208A, GRI-K4416A

GRI-K4416A

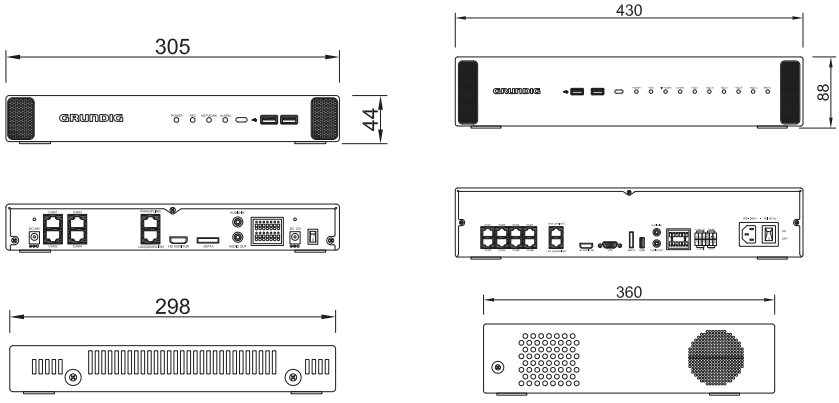
GRI-K1104A, GRI-K2208A

		Full HD 1080p	ONVIF
HIGHLIGHTS	4ch high performance NVR with Full HD real-time recording capability	GRI-K1104A	
	8ch high performance NVR with Full HD real-time recording capability	GRI-K2208A	
	16ch high performance NVR with Full HD real-time recording capability	GRI-K4416A	

Key features and benefits

- Auto configuration for Grundig IP cameras
- Built-in PoE Switch for direct IP camera connection
- Easy-to-use interface
- Fully featured web-interface with access to live, playback with search & backup function and configuration
- Slim & elegant 1U (GRI-K1104A, GRI-K2208A)

Dimensions



GRI-K1104A, GRI-K2208A

GRI-K4416A

Item code	Brief description
GRI-K1104A	4 channel, Full HD, standalone. H.264 NVR
GRI-K2208A	8 channel, Full HD, standalone. H.264 NVR
GRI-K4416A	16 channel, Full HD, standalone.H.264 NVR

	GRI-K1104A	GRI-K2208A	GRI-K4416A
Operating System:	Embedded Linux		
IP Inputs:	4 channels	8 channels	16 channels
Recording Resolution:	max. 1920x1080 depending on the camera performance		
Recording Speed:	100 fps	200 fps	400 fps
Video Compression:	H.264		
Storage Max. Expansion:	17.5 TB (2x2,5 TB SATA and 5x2,5 TB eSATA)		25 TB (5x2,5 TB SATA and 5x2,5 TB eSATA)
Video Outputs:	1 HDMI		1 VGA, 1 HDMI
Display Resolution:	1920 x 1080		
Display Speed:	100 fps	200 fps	400 fps
Display Mode:	Full screen, 4	Full screen, 4, 8	Full screen, 4, 8, 9, 16
PTZ Control:	Pan/Tilt/Zoom/Focus/Preset/Sequence, Pelco D/P		
Recording Mode:	Continuous, Event Alarm, Motion, Video Loss, Schedule, Manual		
Event Source:	Motion, Alarm, Video Loss, System		
Event Action:	Pop-Up, Relay, E-Mail, Buzzer		
Motion Detection:	Programmable camera with adjustable detection zones for alarm transmission and event-triggered recording (HDD)		
Pre-Alarm:	Off, 1, 2, 3, 4, 5, sec.		
Post-Alarm:	Off, 5, 10, 20, 30, sec., 1, 3 min.		
Search Mode:	Date/Time, Event, Thumbnail		
Number of Clients:	Up to 8 users (admin, manager, user)		
Audio Inputs:	4 CH over IP	8 CH over IP	16 CH over IP
Audio Outputs:	1 CH, RCA		
Audio Compression:	G.711		
Alarm Inputs:	4 (IP) + 2 N/O or N/C	8 (IP) + 2 N/O or N/C	16 (IP) + 2 N/O or N/C
Alarm Outputs:	1 Relay		
Network:	2 x 1000Mbps + 4 x 100Mbps (PoE)	2 x 1000Mbps + 8 x 100Mbps (PoE)	2 x 1000Mbps + 8x 100Mbps (PoE)+2 x 1000Mbps + 8x 100Mbps (PoE Switch
Serial Interface(s):	1x RS232, 1x RS485, 2x USB, 1x eSATA		1x RS232, 1x RS485, 3x USB, 1x eSATA
Multiplex Function:	Triplex		
Network Protocol:	DHCP, HTTP, FTP, SMTP, RTP/RSTP, RTCP, NTP, DDNS, uPNP		
Time Setting:	Setting by NTP Server, either locally or over the internet		
Client software:	Windows 2000, xP, Vista,7 Web Viewer: IE, Firefox, Safari, Chrome; Mobile: iPhone, Android		
SDK:	HTTP API (PC Codec library)		
Operating Temperature:	0°C ~ +40°C		
Humidity:	10 ~ 90% no condensation		
Supply Voltage:	12 VDC (NVR), 48VDC (Switch)		230 VAC (NVR), 48VDC (Switch)
Power Consumption:	20 W		25 W
Dimensions:	305 x 44 x 298 mm		430 x 88 x 360 mm
Weight:	4.09 kg	4.11 kg	8.6 kg

Grundig reserves the right to change specifications without notice

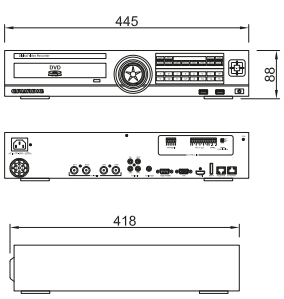
GRH-K1004A, GRH-K2108A, GRH-K2116A

		Full HD 1080p	Smart phone	Plug & Play
HIGHLIGHTS	4 channel Full HD 60fps recording capability (120fps live)	GRH-K1004A		
	8 channel Full HD 120fps recording capability (240fps live)	GRH-K2108A		
	16 channel Full HD 120fps recording capability (480fps live)	GRH-K2116A		

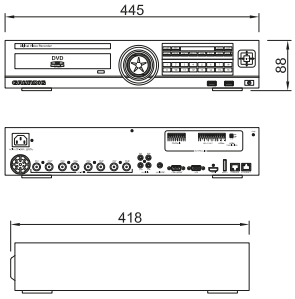
Key features and benefits

- Easy system setup with HD-SDI plug & play
- Hybrid-system with Grundig Control Centre Software & GDV-series DVRs
- Software based HDD mirror option
- Advanced user management (incl. channel covering)
- Choice of search options (time, calendar, event, thumbnail, motion area)
- Live view access for smartphones (iPhone & Android app)
- Supports all popular web browsers for remote access including Active-x and Java
- Alarm notification via email, Twitter, FTP, relay or buzzer
- French law (August 2007) compliant

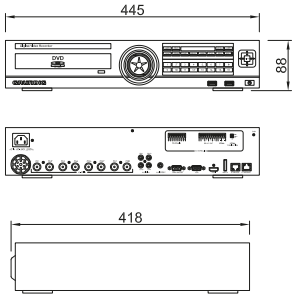
Dimensions



GRH-K1004A



GRH-K2108A



GRH-K2116A

Item code	Brief description
GRH-K1004A	4 channel H.264 HD-SDI recorder with DVD-RW drive 1TB HDD
GRH-K2108A	8 channel H.264 HD-SDI recorder with DVD-RW drive 1TB HDD
GRH-K2116A	16 channel H.264 HD-SDI recorder with DVD-RW drive 1TB HDD

	GRH-K1004A	GRH-K2108A	GRH-K2116A
Operating System:	Embedded OS		
Video Inputs:	4 CH HD-SDI, BNC	8 CH HD-SDI, BNC	16 CH HD-SDI, BNC
Video Outputs:	1 VGA, 1 HDMI		
Storage Max. Expansion:	16TB (intern or eSATA), 64 TB (GDS-R04A)		
Basic Internal Storage:	1 TB		2 TB
RAID:	Software-based mirroring		
Video Compression:	H.264, JPEG		
Recording Resolution:	FullHD (1920x1080), HD (1280x720)		
Recording Speed:	60fps (FullHD), 120fps (HD)	120fps (FullHD), 240fps (HD)	
Recording Mode:	Continuous, Event Alarm, Motion, Video Loss, Schedule, Manual		
Display Resolution:	max. 1920 x 1080		
Auto Switching:	0, 3, 5, 10, 20, 30 sec, Event or manual		
Display Speed:	120 fps	240 fps	
Internal Backup:	Built-in DVD-RW drive		
External Backup:	USB HDD, USB Memory, DVD-R, Network, eSATA		
Search Mode:	Date/Time, Event Alarm, Motion, Video Loss, Thumbnails		
Motion Detection:	On/ Off/ Area Setting		
Event Source:	Motion, Alarm, Text, Video Loss, System		
Event Action:	Pop-Up, Relay, E-Mail, FTP, Network, Buzzer, PTZ Preset		
Audio Inputs:	4 CH, RCA		
Audio Outputs:	2 CH, RCA & HDMI		
Alarm Inputs:	4 contact inputs N/O or N/C	8 contact inputs N/O or N/C	16 contact inputs N/O or N/C
Alarm Outputs:	4 Relay		
Compliant:	SMPTE 274M/292M/296M		
Interfaces:	2 RS-485 ports, 1 RS-232 port, 1 DAS, 1 Ethernet and 2 USB 2.0 ports		
ATM/POS:	Supports up to 4 ATM/POS with VSI-Pro Hydra modules	Supports up to 8 ATM/POS with VSI-Pro Hydra modules	Supports up to 16 ATM/POS with VSI-Pro Hydra modules
Video Streaming:	Versatile Triple Streaming (Dual H.264 + single JPEG)		
Time Setting:	Setting by NTP Server, either locally or over the internet		
Multiplex Function:	Pentaplex		
Network:	Ethernet, 10/100 Base-T for PC client, 1000 Base-T for storage, ADSL Static IP, ADSL Dynamic IP(PPPoE),Cable Network (Dynamic IP)		
Client software:	Windows (xP, Vista, 7), Web Viewer: IE, Firefox, Safari, Chrome; Mobile: iPhone, Blackberry, Android, Windows Mobile, Symbian		
Operating Temperature:	5°C ~ +45°C		
Humidity:	less than 90%, non-condensing		
Supply Voltage:	110 ~ 240 VAC/50Hz		
Power Consumption:	95 W		
Dimensions:	445 x 88 x 418 mm		
Weight:	9.5 kg		

Grundig reserves the right to change specifications without notice

GRA-D4416A

GRA-D2208B,
GRA-D4416B

GRA-D1104B

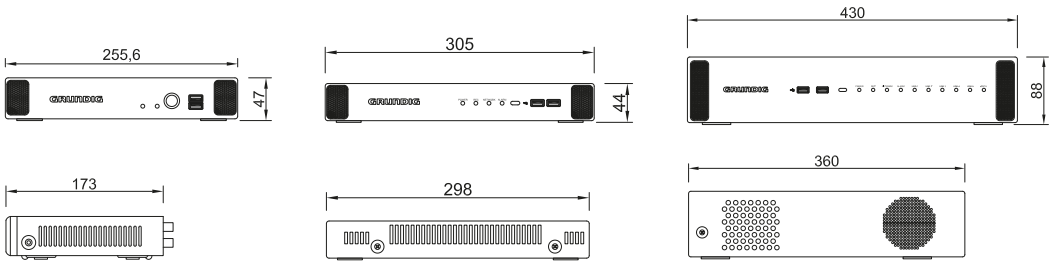
GRA-D1104B, GRA-D2208B, GRA-D4416B, GRA-D4416A

		960 H 960 H	H.264	Smart phone	Ethernet
HIGHLIGHTS	Cost-effective 4 channel 960H realtime DVR				GRA-D1104B
	Cost-effective 8 channel 960H realtime DVR				GRA-D2208B
	Cost-effective 16 channel 960H realtime DVR				GRA-D4416B
	Professional 16 channel 960H realtime DVR with RAID support				GRA-D4416A

Key features and benefits

- Built-in hybrid analogue and IP system with Grundig CMS Software
- Advanced user management (incl. channel covering)
- Choice of search options (time, calendar, event, thumbnail, motion area)
- Supports all popular web browsers for remote access including Active-x and Java
- Alarm notification via email, Twitter, FTP, relay or buzzer
- Stable and reliable Linux embedded operating system

Dimensions



GRA-D1104B

GRA-D2208B, GRA-D4416B

GRA-D4416A

Item code	Brief description
GRA-D1104B	4 channel standalone DVR 960H H.264
GRA-D2208B	8 channel standalone DVR 960H H.264
GRA-D4416B	16 channel standalone DVR 960H H.264
GRA-D4416A	16 channel standalone DVR 960H H.264

	GRA-D1104B	GRA-D2208B	GRA-D4416B	GRA-D4416A
Operating System:	Embedded OS			
Video Inputs:	4 CH Composite, BNC	8 CH Composite, BNC	16 CH Composite, BNC	16 CH Composite, BNC, Looped
Video Outputs:	2 CVBS (1 Main, 1 Spot), 1 VGA			5 CVBS (1 Main, 4 Spot), 1 HDMI (1080P), 1 VGA (1280x1024)
Storage Max. Expansion:	2.5 TB SATA	5 TB (2x2,5 TB SATA)		25 TB (5x2,5 TB SATA and 5x2,5 TB eSATA)
RAID:	-			Normal, RAID 1, RAID 5
Video Compression:	H.264			
Recording Resolution:	960H (960x576), Full D1 (704x576), Half D1 (704x288), CIF (352x288)			
Recording Speed:	100fps (352x288), 100fps (704x288), 100fps (704x576), 100fps (960x576)	200fps (352x288), 200fps (704x288), 200fps (704x576), 200fps (960x576)	400fps (352x288), 400fps (704x288), 400fps (704x576), 400fps (960x576)	
Recording Mode:	Continuous, Event Alarm, Motion, Video Loss, Schedule, Emergency Rec (Panic)			
Display Resolution:	max. 1920 x 1080			
Display Speed:	100 fps	200 fps	400 fps	
Auto Switching:	0, 3, 5, 10, 20, 30 sec, Event or manual, Multi-channel views			
External Backup:	USB HDD, USB Memory,Network, FTP			
Search Mode:	Date/Time, Event Alarm, Motion, Video Loss, Thumbnails			
Motion Detection:	On/ Off/ Area Setting			
Event Source:	Motion, Alarm, Text, Video Loss, System			
Event Action:	Pop-Up, Relay, E-Mail, FTP, Network, Buzzer, PTZ Preset			
Audio Inputs:	1 CH, RCA			4 CH, RCA
Audio Outputs:	-			1 CH, RCA
Alarm Inputs:	4 contact input N/O or N/C			18 contact input N/O or N/C
Alarm Outputs:	1 Relay			4 Relay
Interfaces:	1 RS-485, 1 LAN, 2 USB 2.0			2 RS-485, 1 RS-232, 1 LAN, 1 NAS, 3 USB 2.0
Time Setting:	Setting by NTP Server local or internet			
Video Streaming:	Versatile Dual Streaming			
Multiplex Function:	Pentaplex			
Network:	Ethernet, 10/100 Base-T for PC client, ADSL Static IP, ADSL Dynamic IP(PPPoE) ,Cable Network (Dynamic IP)			
Client software:	Windows (xP, Vista, 7), Web Viewer: IE, Firefox, Safari, Chrome; Mobile: iPhone, Blackberry, Android, Windows Mobile, Symbian			
Operating Temperature:	0°C ~ +40°C			
Humidity:	less than 90%, non-condensing			
Supply Voltage:	12 VDC (External Power Supply)			
Power Consumption:	12 W	25 W	25 W	95 W
Dimensions:	256 x 44 x 173 mm	305 x 44 x 298 mm	305 x 44 x 298 mm	430 x 88 x 360 mm
Weight:	1.5 kg	3.5 kg	3.7 kg	8 kg

Grundig reserves the right to change specifications without notice

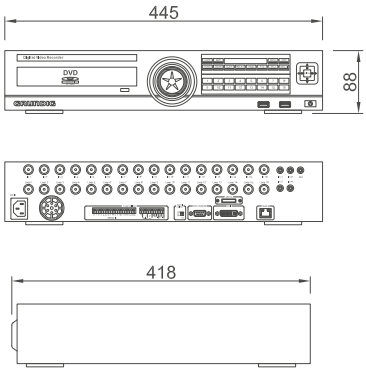
GDV-C1104A, GDV-B2208A, GDV-A4416A, GDV-C4416A, GDV-B8832A

		Smart phone
HIGHLIGHTS	Extra data protection with a software-based HDD mirror option	GDV-C4416A, GDV-B8832A
	32 channel live view on up to 4 Monitors	GDV-B8832A
	16 channel D1 realtime 25fps recording in highest quality	GDV-C4416A

Key features and benefits

- Hybrid-system with Grundig Control Centre Software & GRH-series DVRs
- Advanced user management (incl. channel covering)
- Choice of search options (time, calendar, event, thumbnail, motion area)
- Live view access for smart phones (iPhone & Android app)
- Supports all popular web browsers for remote access including Active-x and Java
- Alarm notification via email, Twitter, FTP, relay or buzzer
- French law (August 2007) compliant

Dimensions



Item code	Brief description
GDV-C1104A	4 channel standalone DVR with DVD-RW 1T HDD
GDV-B2208A	8 channel standalone DVR with DVD-RW 1T HDD
GDV-A4416A	16 channel standalone DVR with DVD-RW 1T HDD
GDV-C4416A	16 channel standalone DVR with DVD-RW 1T HDD
GDV-B8832A	32 channel standalone DVR with DVD-RW 1T HDD

	GDV-C1104A	GDV-B2208A	GDV-A4416A	GDV-C4416A	GDV-B8832A
Operating System:	Embedded OS				
Video Inputs:	4 CH Composite, BNC, Looped	8 CH Composite, BNC, Looped	16 CH Composite, BNC, Looped		32 CH Composite, BNC
Video Outputs:	2 CVBS (1 Main, 1 Spot), 1 DVI (HDMI/VGA compatible)			4 CVBS (4 Main) incl. 2 DVI (HDMI/VGA compatible)	
Basic Internal Storage:	1 TB				
Storage Max. Expansion:	8 TB (max. 4 TB internal)			8 TB, 32TB (GDS-R04A)	
RAID:	Software based mirroring				
Video Compression:	H.264, JPEG				
Recording Resolution:	Full D1 (704x576), Half D1 (704x288), CIF (352x288)				
Recording Speed:	100fps (352x288), 100fps (704x288), 100fps (704x576)	200fps (352x288), 200fps (704x288), 100fps (704x576)	400fps (352x288), 200fps (704x288), 100fps (704x576)	400fps (352x288), 400fps (704x288), 400fps (704x576)	800fps (352x288), 800fps (704x288), 400fps (704x576)
Recording Mode:	Continuous, Event Alarm, Motion, Video Loss, Schedule, Manual				
Display Resolution:	max. 1920 x 1080				
Display Speed:	100 fps	200 fps	400 fps		800 fps with 2 monitors
Auto Switching:	0, 3, 5, 10, 20, 30 sec, Event or manual, Multi Channel Views				
Internal Backup:	Built in DVD-RW drive				
External Backup:	USB HDD, USB Memory, DVD-R, Network, eSATA				
Search Mode:	Date/Time, Event Alarm, Motion, Video Loss, Thumbnails				
Motion Detection:	On/ Off/ Area Setting				
Event Source:	Motion, Alarm, Text, Video Loss, System				
Event Action:	Pop-Up, Relay, E-Mail, FTP, Network, Buzzer, PTZ Preset				
Audio Inputs:	4 CH, RCA			16ch: 4 RCA built-in, 12 D-sub (cable optional)	
Audio Outputs:	1 CH, RCA				
Alarm Inputs:	4 contact input N/O or N/C	8 contact input N/O or N/C	16 contact input N/O or N/C		
Alarm Outputs:	2 Relay			4 Relay	
Interfaces:	2 RS-485 ports, 1 RS-232 port, 1 Ethernet and 2 USB 2.0 ports			2 RS-485 ports, 1 RS-232 port, 1 DAS, 1 Ethernet and 2 USB 2.0 ports	
ATM/POS:	Supports up to 4 ATM/ POS with VSI-Pro Hydra Modules	Supports up to 8 ATM/ POS with VSI-Pro Hydra Modules	Supports up to 16 ATM/POS with VSI-Pro Hydra Modules		
Time Setting:	Setting by NTP Server local or internet				
Video Streaming:	Versatile Triple Streaming (Dual H.264 + single JPEG)				
Multiplex Function:	Pentaplex				
Network:	Ethernet, 10/100 Base-T, ADSL Static IP, ADSL Dynamic IP(PPPoE), Cable Network (Dynamic IP)			Ethernet, 10/100 Base-T for PC client, 1000 Base-T for storage, ADSL Static IP, ADSL Dynamic IP(PPPoE),Cable Network (Dynamic IP)	
Client software:	Windows (xP, Vista, 7), Web Viewer: IE, Firefox, Safari, Chrome; Mobile: iPhone, Blackberry, Android, Windows Mobile, Symbian				
Operating Temperature:	5°C ~ +45°C				
Humidity:	less than 90%, non-condensing				
Supply Voltage:	110 ~ 240 VAC/50Hz				
Power Consumption:	75 W			85 W	
Dimensions:	445 x 88 x 418 mm				
Weight:	8.2 kg			9.5 kg	

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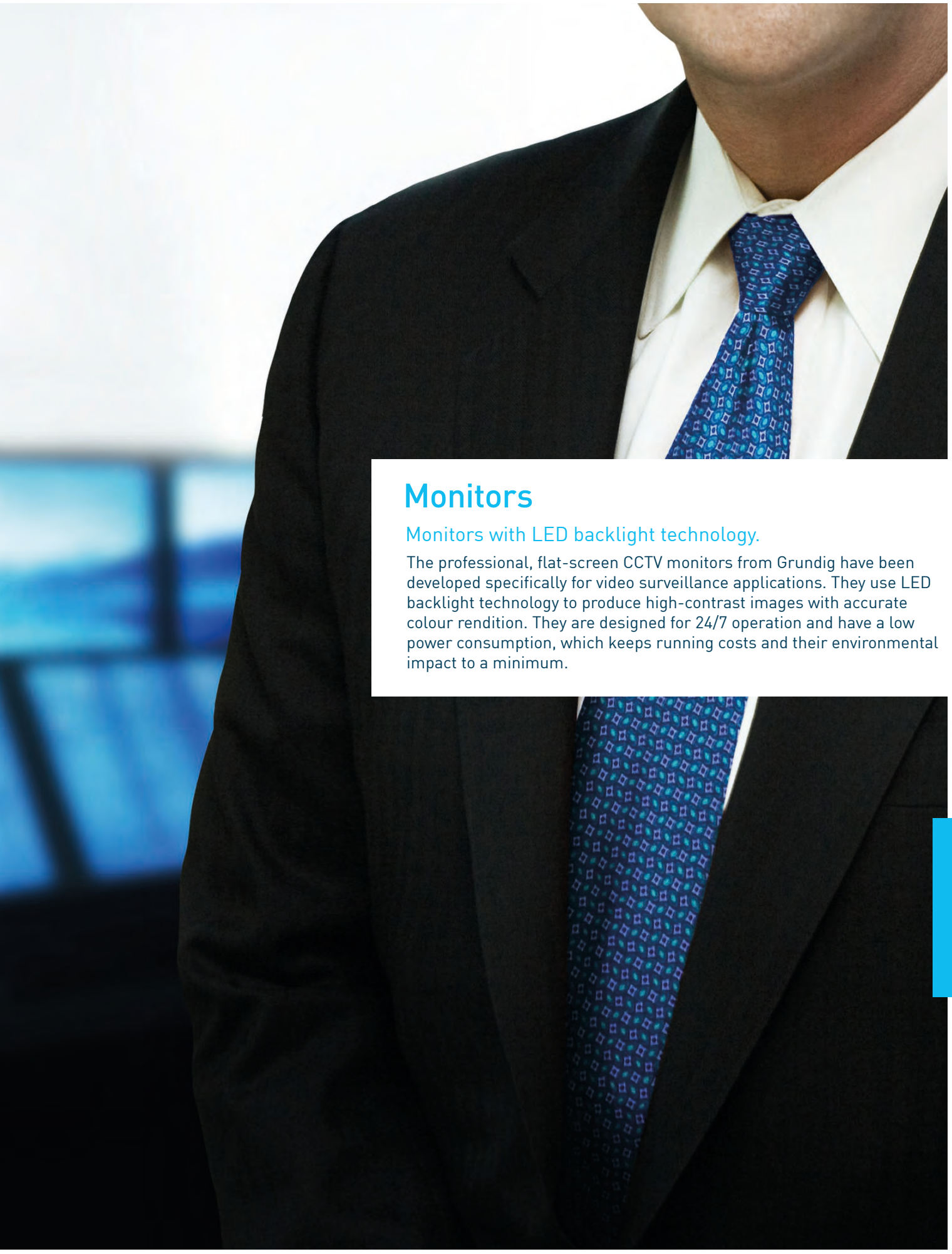


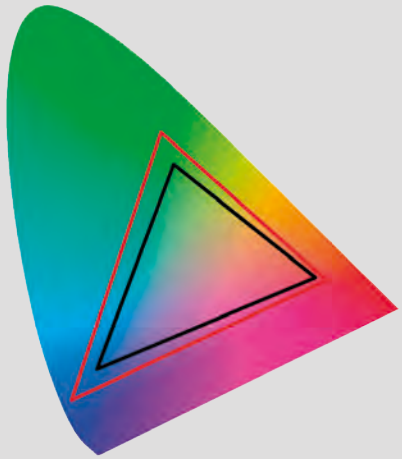
Monitors

Monitors with LED backlight technology.

The professional, flat-screen CCTV monitors from Grundig have been developed specifically for video surveillance applications. They use LED backlight technology to produce high-contrast images with accurate colour rendition. They are designed for 24/7 operation and have a low power consumption, which keeps running costs and their environmental impact to a minimum.

LED backlight technology

Grundig uses LED backlighting in its TFT flat-screen monitor panels. LED backlight technology has many advantages over traditional CCFL backlighting.



Gamut: Black CCFL, red: LED

Natural colours and higher contrast

LED backlight monitors have a higher gamut level than CCFL monitors. The ability to show a wider colour spectrum results in a more accurate, natural and realistic display. The white parts of an image produced by an LED backlight monitor are brighter than CCFL and the images are updated faster.
Together, these factors help to increase display contrast.

CCFL backlight technology monitor

Grundig LED backlight monitor

Eco

Low power consumption and extended life combine to reduce environmental impact

Twice the life

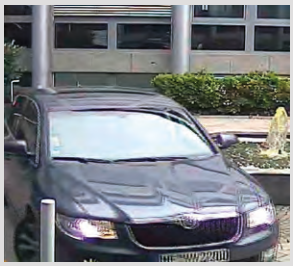
LED backlight monitors have twice the lifetime of CCFL monitors

MTBF CCFL: 50.000 hours
MTBF LED: 100.000 hours

LED backlight monitors use around 35% less power than CCFL monitors, reducing their running costs.
LED backlight monitors last longer than CFL monitors, therefore are replaced less frequently.
Mean time before failure (MTBF) results demonstrate that LED life is up to 100,000 hours - double that of CCFL.

Digital Image Enhancement Technologies

Grundig monitors use comb filtering to improve the display quality of analogue signals on the digital TFT panel. The blocking and ghosting effects caused by digitalisation are minimised. Grundig monitors also contain built-in de-interlacing to maximise display quality. This is compatible with interlace and progressive scan cameras.



Interlaced

De-interlaced

With 3D - Filter

Without 3D - Filter

Flexible design

All Grundig monitors are VESA-mount compatible. A wide range of video, data and power connections maximises application flexibility. Grundig monitors can be installed in almost any location.

16:9 or 5:4 aspect ratio

Regardless of the technology being used, Grundig will have the best monitor for your needs. Choose 5:4 for analogue technology or 16:9 Full HD monitors for IP and HD-SDI technology. The monitors are optimised for video surveillance and offer crystal clear images for any application.

16:9

5:4

GML-1030MD, GMT-1031P

GML-1030MD

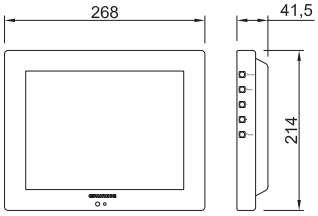
GMT-1031P

		LED	Eco	Tempered Glass
HIGHLIGHTS	10" TFT-LCD monitor with LED backlight illumination			GMT-1031P
	9.7" dual rack-mount monitor LED backlight			GML-1030MD

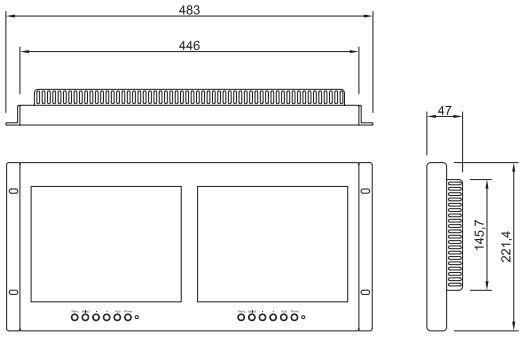
Key features and benefits

- LED backpanel illumination
- Low power consumption
- High contrast 10.000:1
- Vivid, natural colours
- 4ms reaction time
- Metal cabinet
- Tempered protection glass
- 2 CVBS looped, 1 HDMI, VGA video inputs (GML series)
- 1 CVBS looped, VGA video inputs (GMT series)

Dimensions



GMT-1031P



GML-1030MD

Item code	Brief description
GMT-1031P	27 cm (10.4") LCD/TFT monitor with LED backlight
GML-1030MD	24.6 cm (9.7") LCD/TFT dual rack-mount monitor LED backlight

	GMT-1031P	GML-1030MD
Pixels - Total:	800(H) x 600(V)	1024(H) x 768(V)
Pixel Pitch:	0.264 mm(H) x 0.264 mm(V)	0.192 mm(H) x 0.192 mm(V)
Resolution:	800 x 600	1024 x 768 @ 60Hz
Aspect Ratio:	4 : 3	
Video Standard:	PAL/NTSC	
Video Inputs:	1 CH Composite, BNC, Looped / 1 CH VGA	2 CH Composite, BNC Looped, 1 CH VGA, 1 HDMI for each display
Viewing Angle:	140°(H) ~ 110°(V)	178°(H) ~ 178°(V)
Audio Inputs:	-	3 CH (stereo),(1xHDMI, 1xCinch (L/R), 1xTRS Connector) for each display
Contrast Ratio:	300:1	1000:1
Brightness:	350 cd/m²	400 cd/m²
Response Time:	8 ms	4 ms
Number of Colours:	16.7 million	262K
Display Protection:	Tempered Glass	
Display Mode:	AV (BNC), VGA	AV (BNC), VGA, HDMI
OSD:	Yes, multiple languages	
Operating Temperature:	0°C ~ +50°C	0°C ~ +40°C
Storage Temperature:	-20°C ~ +60°C	-10°C ~ +60°C
Speaker Output:	-	1.5 W x2
Accessories included:	Table stand bracket & PSU & VGA cable	Power Cord, Power Adapter, User Manual, VGA cable
MTBF at 25° C:	> 30,000 hours	
Vesa Mount:	75 x 75 mm	75/100 mm
Supply Voltage:	12VDC, (100~240VAC, 50/60Hz)	
Power Consumption:	8 W	30 W
Dimensions:	268 x 214 x 41.5 mm	221.4 x 446 x 47 mm
Weight:	1.71 kg	3.1 kg

Grundig reserves the right to change specifications without notice

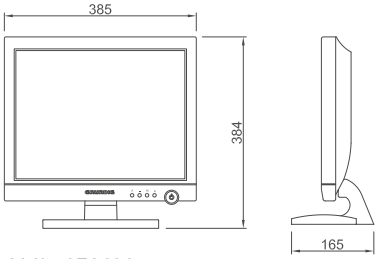
GML-1730M, GML-1930M, GML-1931M

		LED	Eco	Tempered Glass	10.000:1	VESA Mount
HIGHLIGHTS	17” TFT-LCD monitor with LED backlight illumination	GML-1730M				
	19” TFT-LCD monitor with LED backlight illumination	GML-1930M				
	19” TFT-LCD metal case monitor with LED backlight illumination	GML-1931M				

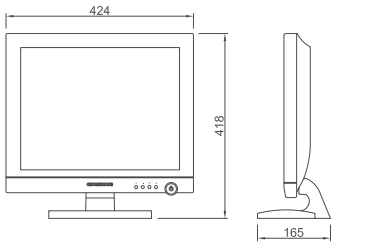
Key features and benefits

- LED backpanel illumination
- Energy-saving (green technology)
- High contrast 10.000:1
- MTBF at 25° C > 100,000 hours
- < 5ms reaction time
- VESA mountable
- 2 CVBS looped, 1 HDMI, VGA video inputs

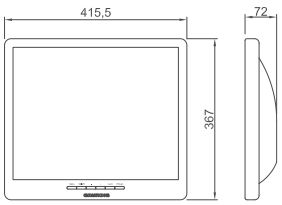
Dimensions



GML-1730M



GML-1930M



GML-1931M

Item code	Brief description
GML-1730M	43 cm (17“) LCD/TFT monitor with LED backlight
GML-1930M	48 cm (19“) LCD/TFT monitor with LED backlight
GML-1931M	48 cm (19“) LCD/TFT monitor with LED backlight in metal case

	GML-1730M	GML-1930M	GML-1931M
LCD Panel Size:	17" Diagonal AM-TFT LED Backlight	19" Diagonal AM-TFT LED Backlight	
Pixels - Total:	1280(H) x 1024(V)		
Pixel Pitch:	0.264 mm(H) x 0.264 mm(V)	0.294 mm(H) x 0.294 mm(V)	
Resolution:	1280 x 1024 pixel, 650(H) TV Lines		
Aspect Ratio:	5 : 4		
Video Standard:	PAL/NTSC		
Video Inputs:	2 CH Composite, BNC, Looped 1 HDMI, 1 CH VGA		
Audio Inputs:	3 CH (stereo, 1xHDMI, 1xCinch (L/R), 1xTRS Connector)		
Brightness:	300 cd/m²		
Contrast Ratio:	10.000:1		
Number of Colours:	16.7 million		
Viewing Angle:	170°(H) ~ 160°(V)		
Response Time:	5 ms		
Display Protection:	Tempered Glass		
Speaker Output:	3W (2x1.5W built-in)		
PIP:	On/Off		
PBP:	On/Off		
MTBF at 25° C:	> 100,000 hours		
Operating Temperature:	0°C ~ +40°C		
Humidity:	10 ~ 90% no condensation		
Storage Temperature:	-10°C ~ +60°C		
Suitable for:	VESA 75		VESA 100
Supply Voltage:	12VDC, (100~240VAC, 50/60Hz)		
Power Consumption:	15 W		
Dimensions:	385 x 384 x 165 mm	424 x 415 x 165 mm	415.5 x 367 x 72 mm
Weight:	3.4 kg	3.5 kg	5.41 kg

Grundig reserves the right to change specifications without notice

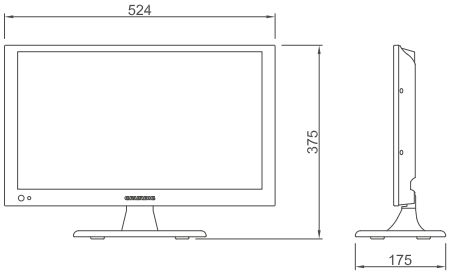
GML-2230M, GML-2430M

	Full HD 1080p	LED	Eco	10.000:1	VESA Mount
HIGHLIGHTS	Professional 21.5" Full HD TFT-LCD monitor for 24/7 usage				GML-2230M
	Professional 23.6" Full HD TFT-LCD monitor for 24/7 usage				GML-2430M

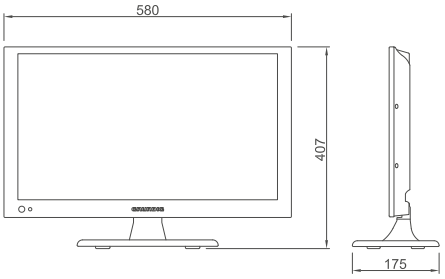
Key features and benefits

- LED backpanel illumination
- Energy-saving (green technology)
- High contrast 10.000:1
- MTBF at 25° C > 100,000 hours
- <5ms reaction time
- VESA mountable
- 2 CVBS looped, 1 HDMI, VGA video inputs

Dimensions



GML-2230M



GML-2430M

Item code	Brief description
GML-2230M	21.5" Full HD TFT-LCD monitor
GML-2430M	23.6" Full HD TFT-LCD monitor

	GML-2230M	GML-2430M
LCD Panel Size:	21,5" Diagonal AM-TFT LED Backlight	23,6" Diagonal AM-TFT LED Backlight
Pixels - Total:	1920(H) x 1080(V)	
Pixel Pitch:	0.248 mm(H) x 0.248 mm(V)	0.272 mm(H) x 0.272 mm(V)
Aspect Ratio:	16 : 9	
Video Standard:	PAL/NTSC	
Video Inputs:	2 CH Composite, BNC, Looped 1 HDMI, 1 CH VGA	
Audio Inputs:	3 CH (stereo),(1xHDMI, 1xCinch (L/R), 1xTRS Connector)	
Brightness:	300 cd/m²	
Contrast Ratio:	10.000:1	
Number of Colours:	16.7 million	
Viewing Angle:	160°(H) ~ 170°(V)	
Response Time:	5 ms	
Speaker Output:	3W (2x1.5W built-in)	
OSD:	Yes, multiple languages	
PIP:	On/Off	
PBP:	On/Off	
MTBF at 25° C:	> 100,000 hours	
Operating Temperature:	0°C ~ +40°C	
Humidity:	10 ~ 90% no condensation	
Storage Temperature:	-10°C ~ +60°C	
Suitable for:	VESA 100	
Supply Voltage:	12VDC, (100~240VAC, 50/60Hz)	
Power Consumption:	25 W	30 W
Dimensions:	524 x 375 x 175 mm	580 x 407 x 175 mm
Weight:	3.6 kg	4 kg

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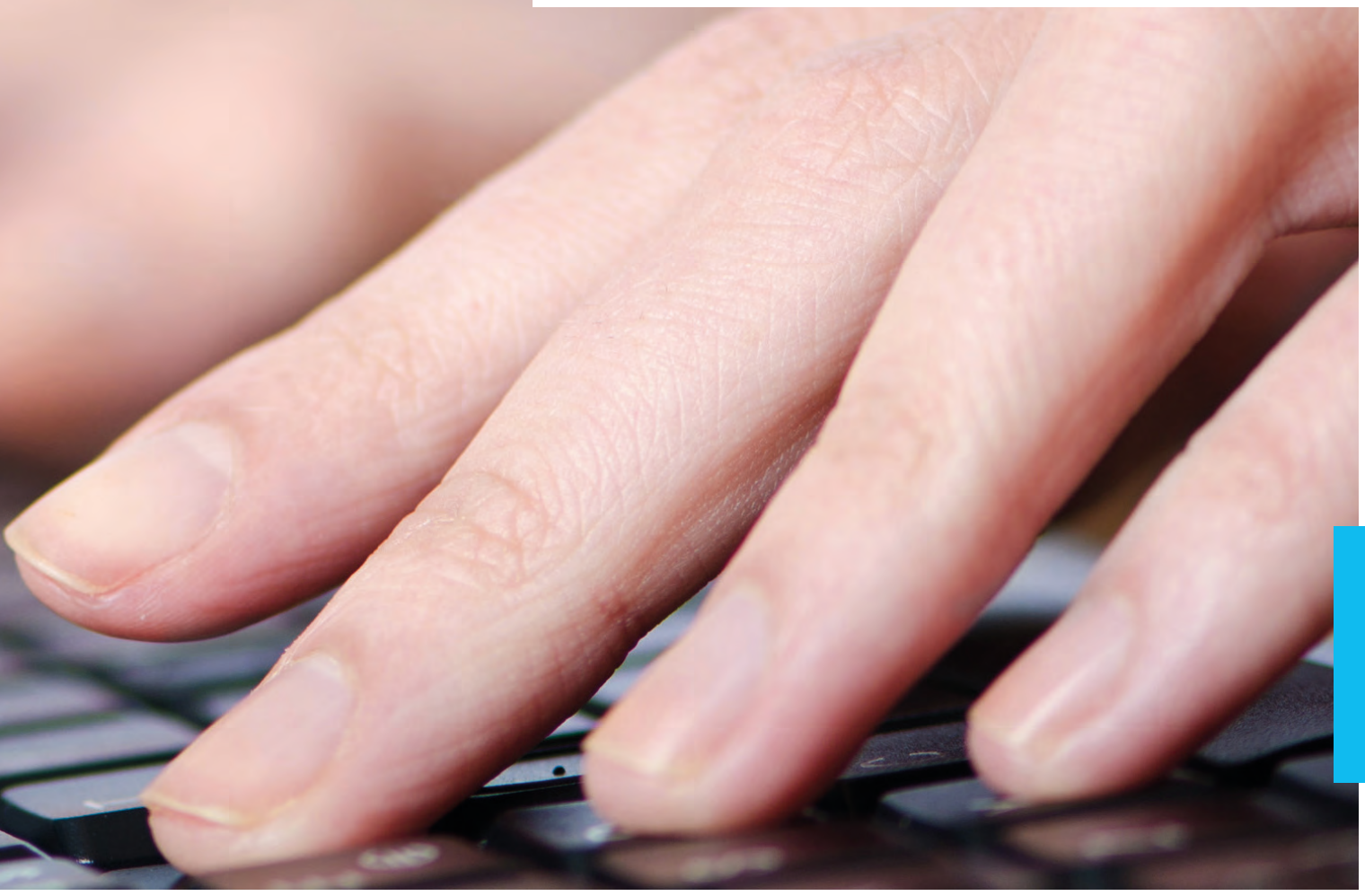
Keyboards

Outstanding keyboards to help you use our products

Grundig keyboards allow you to control and use some of our analogue and PTZ cameras, as well as our HD-SDI DVRs.



GKB-A0110M, GKB-A0040P

GKB-A110M

GKB-A0040P

HIGHLIGHTS	Remote access to Coaxitron analogue cameras	GKB-A0040P
	Control multiple analogue and HD-SDI DVRs & PTZ cameras	GKB-A0110M

Key features and benefits

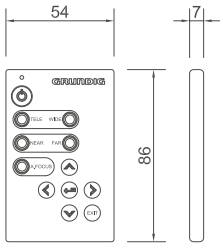
GKB-A0040P

- Control of OSD menu over coax cable

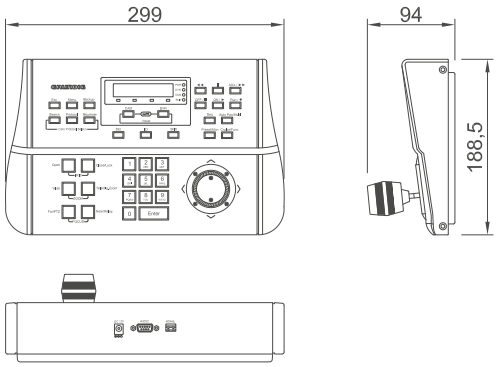
GKB-A0110M

- Search function for PTZ camera protocol
- Controls 100% of the functions of GDV, GRH series
- Robust metal body

Dimensions



GKB-A0040P



GKB-A0110M

Item code	Brief description
GKB-A0040P	Camera remote controller for Coaxitron cameras
GKB-A0110M	System keyboard with LCD display

	GKB-A0040P	GKB-A0110M
Suitable for:	GCA-B0005B, GCA-B0305B, GCA-B1005B, GCA-B1305B, GCA-2326T, GCA-B3326T, GCA-B4325D, GCA-B4325V, GCA-B4327D, GCA-B4327V, GCA-B5326V, GCA-B5323V	GDV-C1104A, GDV-B2208A, GDV-A4416A, GDV-C4416A, GDV-B8832A, GRH-K1004A, GRH-K2108A, GRH-K2116A
Serial Interface(s):	Coax	1x RS-232, 1x RS-485
Protocol:	Coaxitron (32Bit)	Grundig proprietary, Pelco-D, Pelco-P, Panasonic, Samsung, DM, SonyD70, VCL, MIKAMI, CBC, B01, B02, SonyD70_R, EZ, VC, LILIN
Baud Rate:	-	1,200 ~ 19,200bps
Control:	-	Up to 99 DVRs
Transmission Distance:	max. 200m	max. 1200m
LCD Panel size:	-	2x16 Gray Graphic LCD
DVR Control:	-	RW, Stop, Play, FF, Rec, PTZ, Menu, Search, Backup, Monitors
OSD Control:	Arrows (up,down,left, right), Enter and Exit button	
Lens Control:	Focus (Near/Far), Zoom (Tele/Wide), Auto Focus	
Pan/Tilt Control:	Pan (Left/Right), Tilt (Up/Down)	
PTZ Control:		Auto PAN, Preset,Sequence and Cruise Function Support
Humidity:	20 ~ 70% RH	
Storage Temperature:	-40°C ~ +70°C	
Operating Temperature:	-10°C ~ +50°C	
Supply Voltage:	Included Battery 2,3V ~ 3V (CR2025)	12 VDC power adaptor included

Grundig reserves the right to change specifications without notice

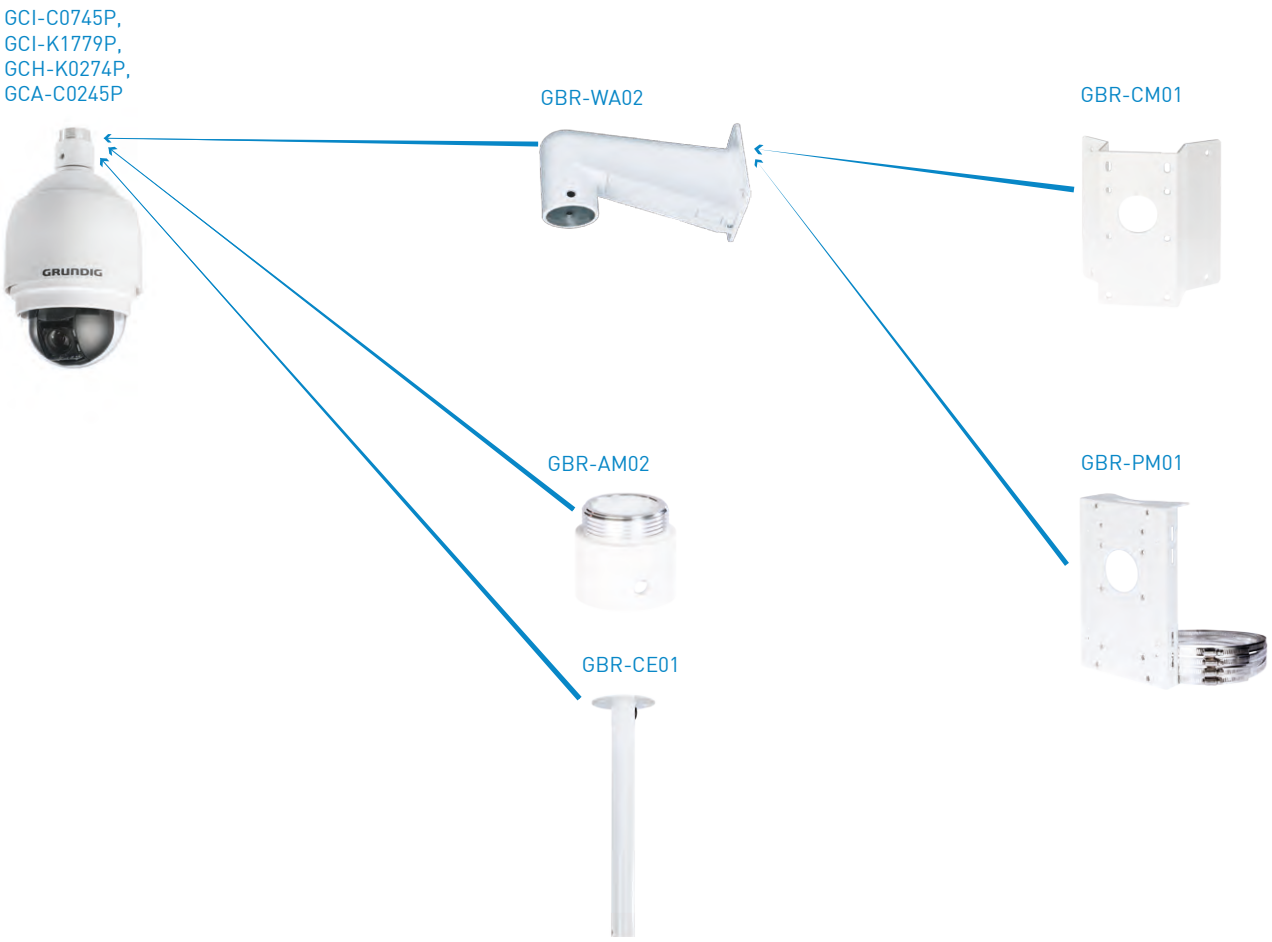
Accessories

Connecting everything

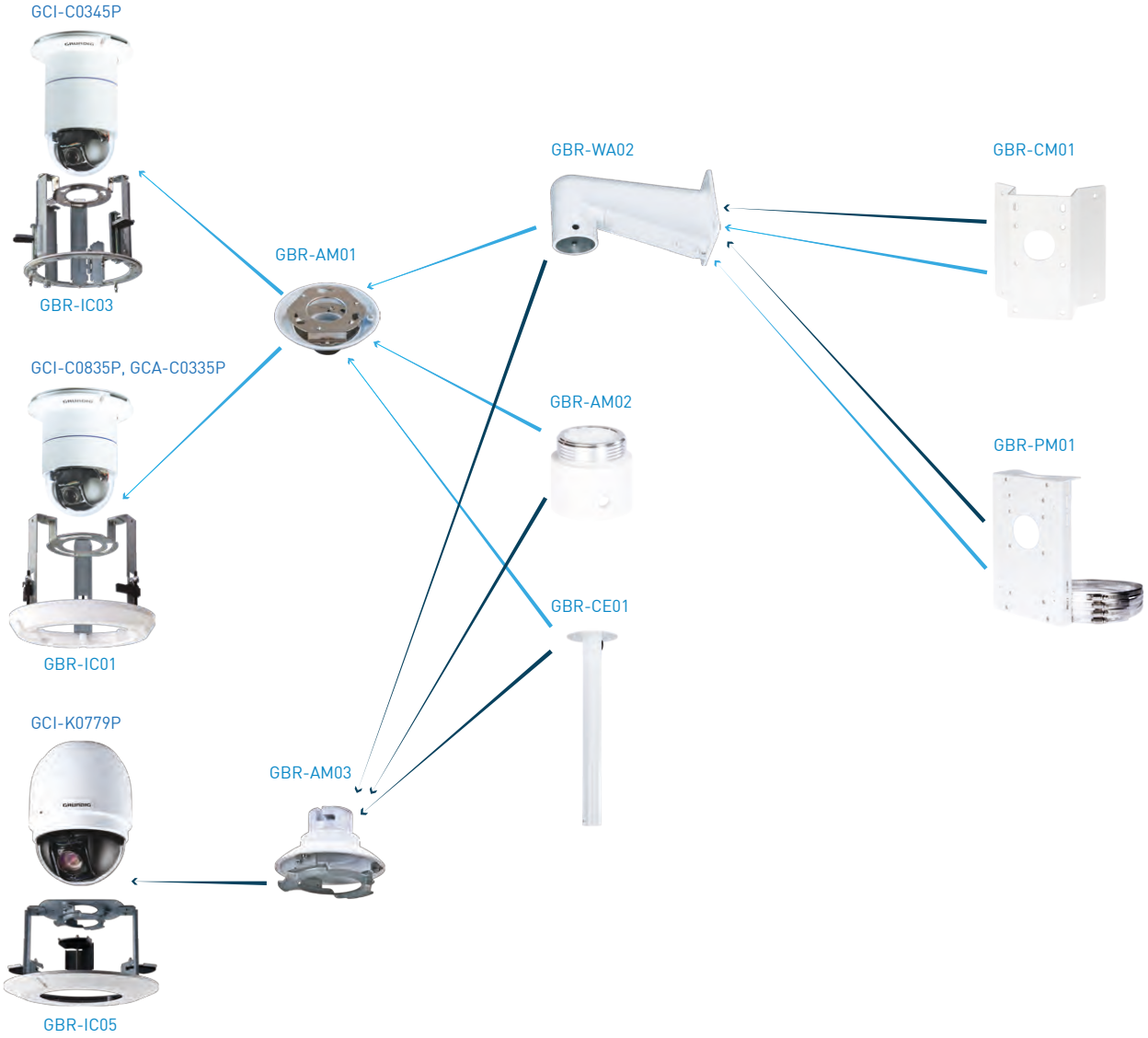
Grundig supports its product portfolio with a comprehensive range of accessories. Grundig has a solution for every application.

Analogue cameras

PTZ cameras outdoor



PTZ cameras indoor



IP anti vandal domes

Accessories

GBR-CM02

Corner mount adapter

Suitable for:
GCI-K1526V(H), GCI-K1523V, GCI-K1585V, GCI-K1586V, GCI-H0522V, GCI-K0322V

Body material:
Aluminium

Colour:
White

Weight:
1.16 kg

Dimensions:
168,5 x 152 x 252 mm

GBR-IC02

Flush mount adapter

Suitable for:
GCI-K1526V(H), GCI-K1523V, GCI-K1585V, GCI-K1586V, GCI-H0522V, GCI-K0322V

Body material:
Aluminium + Plastic

Colour:
White

Weight:
0.38 kg

Dimensions:
Ø 90 x 160 mm

GBR-VC02S

Smoked dome cover

Suitable for:
GCI-K1526V(H), GCI-K1523V, GCI-K1585V, GCI-K1586V, GCI-H0522V, GCI-K0322V

Body material:
Polycarbonate

Colour:
smoked/tinted+

Weight:
0.056 kg

Dimensions:
Ø 152 x 70 mm

GHO-M018

Outdoor enclosure

Suitable for:
GCI-K1526V(H), GCI-K1523V, GCI-K1585V, GCI-K1586V, GCI-H0522V, GCI-K0322V

Body material:
Aluminium + Plastic

Colour:
clear

Weight:
1.0 kg

Dimensions:
Ø 110 x 50 mm

GBR-WA03

Box camera wall mount bracket

Suitable for:
GCA-BxxxxB, GCI-xxxxxB, GCH-xxxxxB

Body material:
Aluminium

Colour:
White

Weight:
0.2 kg

Dimensions:
Ø 90 x 160 mm

GBR-FB02

Standard base

Suitable for:
GCx-xxxxV

Body material:
Die cast aluminium

Colour:
Shiny white

Weight:
0.350 kg

Dimensions:
Ø 150.5 x 35.7 mm

GBR-FB03

Connection base

Suitable for:
GCx-xxxxT

Body material:
Die cast aluminium

Colour:
Shiny white

Weight:
0.2 kg

Dimensions:
Ø 99 x 45 mm

GBR-WA04

Wall bracket

Suitable for:
GCx-xxxxV

Body material:
Aluminium

Colour:
White

Weight:
0.715 kg

Dimensions:
144.6 x 110.5 x 268.8 mm

GBR-WA05

Wall bracket

Suitable for:
GCx-xxxD

Body material:
Steel

Colour:
White

Weight:
0.250 kg

Dimensions:
1426.4 x 60 x 143.2 mm

GBR-IC01

Ceiling flush mount adapter

Suitable for:
GCI-C0735P

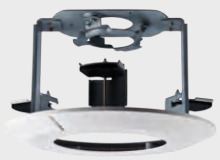
Body material:
Steel

Colour:
White

Weight:
1.16 kg

Dimensions:
Ø179 x 132 mm

GBR-IC05



Ceiling flush Mount Adapter

Suitable for:
GCI-K0779P

Body material:
Steel

Colour:
White

Weight:
1.444 kg

Dimensions:
Ø 276 x 167 mm

GBR-WA02

Wall bracket

Suitable for:
GCI-C0745P, GHO-M018, GBR-AM01(for GCI-C0735P), GBR-CM01, GBR-PM01, GBR-AM03

Body material:
Die cast aluminium

Colour:
White

Weight:
0.6 Kg

Dimensions:
104 x 127 x 184 mm

GBR-PM01

Pole mount adapter

Suitable for:
GBR-WA02

Body material:
Steel

Colour:
White

Weight:
1.0 kg

Dimensions:
270 x 170 x 60 mm

GBR-AM01

Hanging mount adapter

Suitable for:
GCI-C0735P, GCA-C0335P, GCA-C0345P

Body material:
Die cast aluminium

Colour:
White

Weight:
0.5 Kg

Dimensions:
140,7 x 73,9 mm

GBR-AM02

Adapter ring for pelco pendant mount with 1,5" NPT thread

Suitable for:
GCI-C0745P, GBR-AM01, GHO-M018

Body material:
Aluminium alloy

Colour:
White

Weight:
0.1 kg

Dimensions:
Ø 55 x 51,5 mm

GBR-AM03

Hanging mount dapter

Suitable for:
GCI-K0779P

Body material:
Die cast aluminium and steel

Colour:
White

Weight:
0.5 kg

Dimensions:
Ø 111 x 76 mm

GBR-CE01

Pendant mount bracket

Suitable for:
GCI-C0745P, GBR-AM01, GBR-AM03, GCI-K1779P, GCA-C0245P, GHO-M018

Body material:
Aluminium alloy

Colour:
White

Weight:
2.2 kg

Dimensions:
Ø 50 x 500 x Ø 140 mm

GBR-CM01

Corner mount adapter

Suitable for:
GBR-WA02

Body material:
Steel

Colour:
White

Weight:
2.0 kg

Dimensions:
222 x 204 x 117 mm

GAC-B0202A

Smoked dome cover

Suitable for:
GCA-C0345P

Body material:
Polycarbonate

Colour:
smoked/tinted

Weight:
0.06 kg

Dimensions:
140,7 x 73,9 mm

GAC-B0202B

Smoked dome cover

Suitable for:
GCA-C0335P, GCI-C0335P

Body material:
Polycarbonate

Colour:
smoked/tinted

Weight:
0.06 kg

Dimensions:
Ø110 x 60 mm

Grundig reserves the right to change specifications without notice

Accessories

GAC-B0502A

Vandal-resistant clear dome cover

Suitable for:
GCA-C0245P, GCI-C0745P, GCI-K0779P, GCI-K1779P

Body material:
Polycarbonate

Colour:
Clear Bubble

Dimensions:
Ø 152 x 70 mm

GAC-C1731A

Video, audio, alarm, power cable

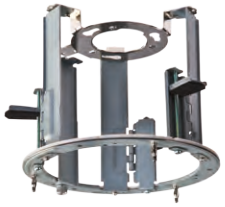
Suitable for:
GCI-C0745P

Body material:
Polycarbonate, copper

Colour:
Black

Dimensions:
Ø 110 x 50 mm

GBR-IC03



Ceiling flash mount adapter

Suitable for:
GCA-C0345P

Body material:
Steel

Colour:
Grey

Dimensions:
Ø179 x 155 mm

GAM-B0103A

Power supply bracket

Suitable for:
GML-1730M, GML-1930M, GML-1931M

Vesa Mount:
75 ~ 100 mm

Material:
Steel

Colour:
Black

GBR-SN02

Swan neck mount adapter

Suitable for:
GCI-C0245P, GCI-C0745P, GCI-K1779P, GBR-AM01, GBR-AM03,

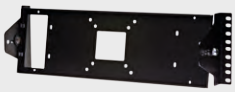
Body material:
Steel

Colour:
White

Weight:
3.8 kg

Dimensions:
300 x 835 x 50 mm

GBR-RM01



Rack mount bracket

Recommended Monitor Size:
25 cm ~ 48 cm (13" ~ 19")

Vesa Mount:
75 ~ 100 mm

Load max.:
9 kg

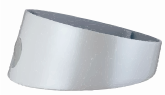
Colour:
Black

Material:
Steel

Dimensions:
480 x 100 x 13 mm

Weight:
1.2 kg

GBR-WB02



Wedge base

Suitable for:
GCA-BxxxxV

Body material:
Die cast aluminium

Colour:
Shiny white

Weight:
0.332 kg

GDS-R04A

HIGHLIGHTS	Expand maximum storage capacity up to 64 TB. Supports mirror function of DVR, to secure video data.	GDS-R04A

Storage Expansion

The GDS-R04A is a versatile storage expansion for dedicated Grundig Recording Systems. You can expand the maximum storage capacity of the recorders up to 64TB. A GDS-R04A can hold up to 4 HDDs and you can cascade up to 8 GDS-R04A to one recorder.

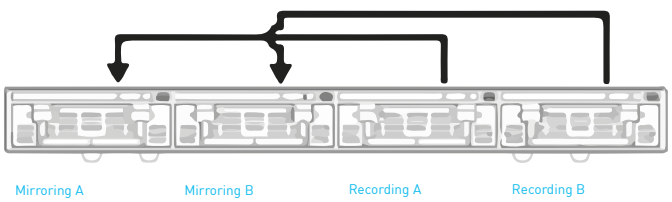
Secure your data

The GDS-R04A is not only a storage expansion, it can only be used with the mirror function of the Grundig DVRs. With that function you can ensure that you will always have a copy of each HDD that is installed in the DVR or GDS-R04A*.

64 TB setup example

GDS-R04A (4 x 2 TB HDD installed)
GDS-R04A (4 x 2 TB HDD installed)
GDS-R04A (4 x 2 TB HDD installed)
GDS-R04A (4 x 2 TB HDD installed)
GDS-R04A (4 x 2 TB HDD installed)
GDS-R04A (4 x 2 TB HDD installed)
CAT 6 cable
GDS-R04A (4 x 2 TB HDD installed)
GRH-K2116A (4x 2TB installed)

Mirror setup*



*The mirror function will reduce the recording performance of the DVR. Please check the manual for further information.

External storage

Operating System: Embedded Linux

Recording Speed: 10 MB/sec

RAID: Normal, RAID 1

Rack Mount: 19" Rack-mounting brackets provided

Interfaces: RS-232, RJ45 (DVR Connection), RJ45 (Cascade)

Operating Temperature: 5°C ~ +45°C

Hard disk bay: 4x Hot Swap SATA bays

Storage Max. Expansion: 8 TB

Power Consumption: <85 W

Dimensions: 430 x 44 x 362 mm

Weight: 5.5 kg

Grundig reserves the right to change specifications without notice

Matrix

A concise overview of our product ranges.

A quick reference to Grundig products and their key features.

IP Camera Matrix

Model	Picture	Image Sensor	Min. Sensitivity	Focal length	Viewing angle	Lens drive type	IR LED	WDR mode	Operating temperature	power supply
GCI-H0503B		1.3MP 1/3" CCD	0.005Lux	-	-	DC auto iris	-	dWDR	-10°C ~ +50°C	12VDC/24VAC/PoE
GCI-K1603B		2MP 1/2.7" CMOS	0.1Lux	-	-	DC auto iris	-	dWDR	-10°C ~ +50°C	12VDC/PoE
GCI-K1607B		2MP 1/2.7" CMOS	0.1Lux	-	-	DC auto iris	-	dWDR	-10°C ~ +50°C	12VDC/PoE
GCI-K1503B		2MP 1/2.7" CMOS	0.1Lux	-	-	DC auto iris	-	dWDR	-10°C ~ + 50°C	12VDC/24VAC/PoE
GCI-H2505B		1.3MP 1/3" CMOS	0.001Lux	-	-	DC auto iris	-	WDR	-10°C ~ +50°C	12VDC/24VAC/PoE
GCI-K2505B		2MP 1/2.8" CMOS	0.001Lux	-	-	DC auto iris	-	WDR	-10°C ~ +50°C	12VDC/24VAC/PoE
GCI-F0505B		3MP 1/2.8" CMOS	0.1Lux	-	-	DC auto iris	-	WDR	-10°C ~ +50°C	12VDC/PoE
GCI-G0509B		5MP 1/3.2" CMOS	0.1Lux	-	-	DC auto iris	-	dWDR	-10°C ~ +50°C	12VDC/24VAC/PoE
GCI-K1523D		2MP 1/2.7" CMOS	0.1Lux	3 ~ 9 mm	34.3° ~ 103.5°	DC auto iris	-	dWDR	-10°C ~ +50°C	12VDC/24VAC/PoE
GCI-H0812W		2MP 1/2.7" CMOS	0.6Lux	4 mm	78°	Board lens	-	dWDR	0°C ~ +40°C	PoE
GCI-K1812W		2MP 1/2.7" CMOS	0.6Lux	4 mm	78°	Board lens	-	dWDR	-20°C ~ +50°C	PoE
GCI-K1523V		2MP 1/2.7" CMOS	0.1Lux	3 ~ 9 mm	34.3° ~ 103.5°	DC auto iris	-	dWDR	-25°C ~ +55°C	12VDC/24VAC/PoE
GCI-K1526V		2MP 1/2.7" CMOS	0Lux	3 ~ 9 mm	34.3° ~ 103.5°	DC auto iris	23 pcs.	dWDR	-25°C ~ +55°C	12VDC/24VAC/PoE
GCI-K1526VH		2MP 1/2.7" CMOS	0Lux	3 ~ 9 mm	34.3° ~ 103.5°	DC auto iris	23 pcs.	dWDR	-35°C ~ +50°C	12VDC/24VAC/PoE
GCI-K1585V		2MP 1/2.7" CMOS	0.1Lux	3 ~ 9 mm	34.3° ~ 103.5°	Motorised Zoom & Focus, DC auto iris	-	dWDR	-25°C ~ +55°C	12VDC/24VAC/PoE
GCI-K1586V		2MP 1/2.7" CMOS	0Lux	3 ~ 9 mm	34.3° ~ 103.5°	Motorised Zoom & Focus, DC auto iris	23 pcs.	dWDR	-25°C ~ +55°C	12VDC/24VAC/PoE
GCI-K1586VH		2MP 1/2.7" CMOS	0Lux	3 ~ 9 mm	34.3° ~ 103.5°	Motorised Zoom & Focus, DC auto iris	23 pcs.	dWDR	-35°C ~ +50°C	12VDC/24VAC/PoE
GCI-K1526T		2MP 1/2.7" CMOS	0Lux	3 ~ 9 mm	34.3° ~ 103.5°	DC auto iris	23 pcs.	dWDR	-25°C ~ +55°C	12VDC/24VAC/PoE
GCI-K1526TH		2MP 1/2.7" CMOS	0Lux	3 ~ 9 mm	34.3° ~ 103.5°	DC auto iris	23 pcs.	dWDR	-35°C ~ +50°C	12VDC/24VAC/PoE
GCI-K0589T		2MP 1/2.7" CMOS	0Lux	3 ~ 9 mm	34.3° ~ 103.5°	Motorised Zoom & Focus, DC auto iris	23 pcs.	dWDR	-25°C ~ +55°C	12VDC/24VAC/PoE
GCI-K0589TH		2MP 1/2.7" CMOS	0Lux	3 ~ 9 mm	34.3° ~ 103.5°	Motorised Zoom & Focus, DC auto iris	23 pcs.	dWDR	-35°C ~ +50°C	12VDC/24VAC/PoE
GCI-C0735P		0.5MP 1/4" CCD	0.01Lux	3.8 ~ 45.6 mm	5° ~ 55.4°	PTZ, Motorised Zoom & Focus, DC auto iris	-	WDR	0°C ~ +40°C	24VAC
GCI-C0745P		0.5MP 1/4" CCD	0.01Lux	3.4 ~ 122 mm	1.8° ~ 60°	PTZ, Motorised Zoom & Focus, DC auto iris	-	WDR	-40°C ~ +50°C	24VAC
GCI-K0779P		2MP 1/2.8" CMOS	0.001Lux	4.7 ~ 85 mm	3.2° ~ 55.2°	PTZ, Motorised Zoom & Focus, DC auto iris	-	WDR	0°C ~ +40°C	24VAC/PoE+
GCI-K1779P		2MP 1/2.8" CMOS	0.001Lux	4.7 ~ 85 mm	3.2° ~ 55.2°	PTZ, Motorised Zoom & Focus, DC auto iris	-	WDR	-40°C ~ +50°C	24VAC/PoE+

HD-SDI Camera Matrix

Model	Picture	Image sensor	Min. Sen-sitivity	focal length	Viewing angle	Lens drive type	IR LED	WDR	Operating temperature	power supply
GCH-K0302B		2MP 1/2.8" CMOS	0.5lux	-	-	DC auto iris	-	dWDR	0°C ~ +50°C	12VDC/24VAC
GCH-K0305B		2MP 1/2.8" CMOS	0.72Lux	-	-	DC auto iris	-	WDR	0°C ~ +50°C	12VDC/24VAC
GCH-K0323D		2MP 1/2.8" CMOS	0.3lux	2.8~10 mm	28.3° ~ 96.2°	Board lens	-	dWDR	0°C ~ +50°C	12VDC/24VAC
GCH-K0326D		2MP 1/2.8" CMOS	0lux	2.8~10 mm	28.3° ~ 96.2°	Board lens	28 pcs.	dWDR	0°C ~ +50°C	12VDC/24VAC
GCH-K0323V		2MP 1/2.8" CMOS	0.3lux	2.8~10 mm	28.3° ~ 96.2°	Board lens	-	dWDR	-10°C ~ +50°C	12VDC/24VAC
GCH-K0326V		2MP 1/2.8" CMOS	0lux	2.8~10 mm	28.3° ~ 96.2°	Board lens	28 pcs.	dWDR	-10°C ~ +50°C	12VDC/24VAC
GCH-K0326T		2MP 1/2.8" CMOS	0lux	2.8~10 mm	29.0° ~ 91.0°	Board lens	32 pcs.	dWDR	-10°C ~ +50°C	12VDC/24VAC
GCH-K0247P		2MP 1/2.8" CMOS	0.23lux	4.7~85 mm	-	PTZ, Motorised Zoom & Focus, DC auto iris	-	WDR	-40°C ~ +50°C	24VAC

Analogue Camera Matrix

Model	Picture	Image sensor	Min. Sensitivity	focal length	Viewing angle	Lens drive type	IR LED	WDR Mode	Operating temperature	power supply
GCA-B1002B		650L 1/3" CCD		-	-	DC auto iris	-	ATR	-10°C ~ +50°C	100 ~ 240 VAC
GCA-B1302B		650L 1/3" CCD		-	-	DC auto iris	-	ATR	-10°C ~ +50°C	12VDC/24VAC
GCA-B1005B		700L 1/3" CCD		-	-	DC auto iris	-	WDR	-10°C ~ +50°C	100 ~ 240 VAC
GCA-B1305B		700L 1/3" CCD		-	-	DC auto iris	-	WDR	-10°C ~ + 50°C	12VDC/24VAC
GCA-B2326T		700L 1/3" CCD		2.8 - 12 mm	96,7° ~ 24,1°	DC auto iris	42 pcs.	ATR-Ex (dWDR)	-25°C ~ +55°C	12VDC/24VAC
GCA-B2357T		700L 1/3" CCD		3.8 - 38 mm	50,64 ~ 5,47°	DC auto iris	42 pcs.	WDR	-25°C ~ +55°C	12VDC/24VAC
GCA-B3326T		700L 1/3" CCD		5 - 50 mm	51,5° ~ 6,5°	DC auto iris	42 pcs.	ATR-Ex (dWDR)	-25°C ~ +55°C	12VDC/24VAC
GCA-B4322D		650L 1/3" CCD		2.8 - 12 mm	96,7° ~ 24,1°	DC auto iris	-	ATR*	-10°C ~ +50°C	12VDC/24VAC
GCA-B4323V		700L 1/3" CCD		2.8 - 12 mm	96,7° ~ 24,1°	DC auto iris	-	ATR*	-25°C ~ +55°C	12VDC/24VAC
GCA-B4325D		700L 1/3" CCD		2.8 - 10,5 mm	101,8° ~ 27,4	DC auto iris	-	WDR	-10°C ~ +50°C	12VDC/24VAC
GCA-B4325V		700L 1/3" CCD		2.8 - 10,5 mm	101,8° ~ 27,4	DC auto iris	-	WDR	-25°C ~ +55°C	12VDC/24VAC
GCA-B4326D		700L 1/3" CCD		2.8 - 12 mm	96,7° ~ 24,1°	DC auto iris	28 pcs.	ATR	-10°C ~ +50°C	12VDC/24VAC
GCA-B4326V		700L 1/3" CCD		2.8 - 12 mm	96,7° ~ 24,1°	DC auto iris	28 pcs.	ATR	-25°C ~ +55°C	12VDC/24VAC
GCA-B4327D		700L 1/3" CCD		2.8 - 10.5 mm	101,8° ~ 27,4	DC auto iris	28 pcs.	WDR	-10°C ~ +50°C	12VDC/24VAC
GCA-B4327V		700L 1/3" CCD		2.8 - 10.5 mm	101,8° ~ 27,4	DC auto iris	28 pcs.	WDR	-25°C ~ +55°C	12VDC/24VAC
GCA-B5325V		700L 1/3" CCD		9 - 22 mm	30,6° ~ 14,0°	DC auto iris	-	WDR	-25°C ~ +55°C	12VDC/24VAC
GCA-B5326V		700L 1/3" CCD		2.8 - 10.5 mm	101,8° ~ 27,4°	DC auto iris	28 pcs.	ATR-Ex (dWDR)	-25°C ~ +55°C	12VDC/24VAC
GCA-C0335P		700L 1/4" CMOS	0,01Lux	3.8 ~ 45.6 mm	52,8 ~ 4,49°	Motorised Zoom & Focus, DC auto iris	-	WDR	0°C ~ +40°C	24VAC
GCA-C0345P		650L 1/4" CMOS	0,01Lux	3.4 ~ 122.4 mm	52,8° ~ 4,59°	Motorised Zoom & Focus, DC auto iris	-	WDR	0°C ~ +40°C	24VAC
GCA-C0245P		700L 1/4" CMOS	0,001Lux	3.4 ~ 122.4 mm	52,8° ~ 4,59°	Motorised Zoom & Focus, DC auto iris	-	WDR	-40°C ~ +50°C	24VAC

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Recording Solutions Matrix

Model	Picture	Technol.	Chan.	Rec. Resolution	Rec. Speed	SATA	eSATA	USB	GDS-R04A support	Video Out	Audio In	Alarm In	Alarm Out
Network Recorders													
GRI-K1104A		IP	4	max. Full HD (1920x1080)	100fps (1920x1080)	2	1	2	-	1x HDMI	4 CH over IP	4 CH over IP + 2 x N/O or N/C	1 Relay
GRI-K2208A		IP	8	max. Full HD (1920x1080)	200fps (1920x1080)	2	1	2	-	1x HDMI	8 CH over IP	8 CH over IP + 2 x N/O or N/C	1 Relay
GRI-K4416A		IP	16	max. Full HD (1920x1080)	400fps (1920x1080)	5	1	3	-	1x HDMI, 1x VGA	16 CH over IP	16 CH over IP + 2 x N/O or N/C	1 Relay
HD-SDI Recorders													
GRH-K1004A		HD-SDI	4	HD (1024x720), Full HD (1920x1080)	50fps (1920x108), 100fps (1024x720)	4	1	2	yes	1x HDMI, 1x VGA	4 CH	4 x N/O or N/C	4 Relay
GRH-K2108A		HD-SDI	8	HD (1024x720), Full HD (1920x1080)	100fps (1920x108), 200fps (1024x720)	4	1	2	yes	1x HDMI, 1x VGA	4 CH	8 x N/O or N/C	4 Relay
GRH-K2116A		HD-SDI	16	HD (1024x720), Full HD (1920x1080)	100fps (1920x108), 200fps (1024x720)	4	1	2	yes	1x HDMI, 1x VGA	4 CH	16 x N/O or N/C	4 Relay
Analogue Recorders													
GRA-D1104B		Analogue	4	960H (976 × 582), 4CIF (704x576), 2CIF (704x288), CIF (352x288)	100fps (976x582), 100fps (704x576), 100fps (704x288), 100fps (352x288)	1	-	2	-	1x VGA	4 CH	4 x N/O or N/C	1 Relay
GRA-D2208B		Analogue	8	960H (976 × 582), 4CIF (704x576), 2CIF (704x288), CIF (352x288)	100fps (976x582), 100fps (704x576), 100fps (704x288), 100fps (352x288)	2	-	2	-	1x VGA	4 CH	4 x N/O or N/C	1 Relay
GRA-D4416B		Analogue	16	960H (976 × 582), 4CIF (704x576), 2CIF (704x288), CIF (352x288)	100fps (976x582), 100fps (704x576), 100fps (704x288), 100fps (352x288)	2	-	2	-	1x VGA	4 CH	4 x N/O or N/C	1 Relay
GRA-D4416B		Analogue	16	960H (976 × 582), 4CIF (704x576), 2CIF (704x288), CIF (352x288)	400fps (976x582), 400fps (704x576), 400fps (704x288), 400fps (352x288)	5	1	3	-	1x VGA		18 x N/O or N/C	4 Relay
GDV-C1104A		Analogue	4	4CIF (704x576), 2CIF (704x288), CIF (352x288)	100fps (704x576), 100fps (704x288), 100fps (352x288)	2	1	2	-	2 CVBS (1 Main, 1 Spot), 1 DVI	4 CH	4 x N/O or N/C	2 Relay
GDV-B2208A		Analogue	8	4CIF (704x576), 2CIF (704x288), CIF (352x288)	100fps (704x576), 200fps (704x288), 200fps (352x288)	2	1	2	-	2 CVBS (1 Main, 1 Spot), 1 DVI	4 CH	8 x N/O or N/C	2 Relay
GDV-A4416A		Analogue	16	4CIF (704x576), 2CIF (704x288), CIF (352x288)	100fps (704x576), 200fps (704x288), 400fps (352x288)	2	1	2	-	2 CVBS (1 Main, 1 Spot), 1 DVI	4 CH	16 x N/O or N/C	2 Relay
GDV-C4416A		Analogue	16	4CIF (704x576), 2CIF (704x288), CIF (352x288)	400fps (704x576), 400fps (704x288), 400fps (352x288)	4	1	2	yes	4 CVBS (4 Main) incl. 2 DVI	16 CH	16 x N/O or N/C	4 Relay
GDV-B8832A		Analogue	32	4CIF (704x576), 2CIF (704x288), CIF (352x288)	400fps (704x576), 800fps (704x288), 800fps (352x288)	4	1	2	yes	4 CVBS (4 Main) incl. 2 DVI	16 CH	16 x N/O or N/C	4 Relay

Model	Picture	Panel Size"	Resol.	Video Input	Speaker	Contrast Ratio	Bright-ness	Resp. Time	Tempered glass	Metal Cabinet	PIP	Power
GMT-1031P		10.4"	800(H) x 600(V)	1 CH Com-posite BNC looped / 1 CH VGA	-	300:1	350 cd/ m²	8 ms	yes	yes	-	12V DC external
GML-1030MD		2x 9.7"	1024(H) x 768(V)	4 CH Com-posite, BNC Looped, 2 CH VGA, 2 HDMI	" 3W (2x1.5W built-in) "	1000:1	400 cd/ m²	4 ms	yes	yes	-	2x 12V DC external
GML-1730M		17"	1280(H) x 1024(V)	2 CH Compos-ite, BNC, Looped 1 HDMI, 1 CH VGA	" 3W (2x1.5W built-in) "	10000:1	300 cd/ m²	5 ms	yes	-	PIP/PBP	12V DC external
GML-1930M		19"	1280(H) x 1024(V)	2 CH Compos-ite, BNC, Looped 1 HDMI, 1 CH VGA	" 3W (2x1.5W built-in) "	10000:1	300 cd/ m²	5 ms	yes	-	PIP/PBP	12V DC external
GML-1931M		19"	1280(H) x 1024(V)	2 CH Compos-ite, BNC, Looped 1 HDMI, 1 CH VGA	" 3W (2x1.5W built-in) "	10000:1	300 cd/ m²	5 ms	yes	yes	PIP/PBP	12V DC external
GML-2230M		21.5"	1920(H) x 1080(V)	2 CH Compos-ite, BNC, Looped 1 HDMI, 1 CH VGA	" 3W (2x1.5W built-in) "	10000:1	300 cd/ m²	5 ms	no	-	PIP/PBP	12V DC external
GML-2430M		23.6"	1920(H) x 1080(V)	2 CH Compos-ite, BNC, Looped 1 HDMI, 1 CH VGA	" 3W (2x1.5W built-in) "	10000:1	300 cd/ m²	5 ms	no	-	PIP/PBP	12V DC external

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Terms Of Delivery

Orders are only accepted subject to the Trading Conditions of ASP AG (Grundig Security, hereinafter called the „Supplier"). Purchasers of Supplier goods will, on accepting delivery, be deemed to have agreed that any printed conditions on their order or other documents shall only be binding where they are not at variance with these terms and conditions. Any buyer who objects to these terms below must, prior to delivery of goods, inform the Supplier of the objections in writing whereupon the order shall be deemed to be cancelled unless any proposed variation is accepted in writing by a Director of the Supplier.

1. PRICES. Prices charged for orders will, unless otherwise specified, be those ruling at the date of acceptance of that order. Quantity rates may apply once to each individual order and each delivery. Orders and deliveries may not be aggregated to obtain quantity rates. Prices quoted are exclusive of Value Added Tax. All prices quoted and charged are subject to payment being made within these terms. In the event of payment being overdue by 30 days or more then such prices are liable to re-calculation at the Supplier's pricing ruled in its price list current at the end of 30 days.

2. ORDERS. All orders shall be subject to the Purchaser being credit worthy, as determined by the Supplier. An order is only formerly accepted by the Supplier when a delivery date for the order is confirmed and communicated to the Purchaser. From time to time, upon request by the Supplier, the Purchaser shall furnish the Supplier with such financial information requested by the Supplier as will enable the Supplier to evaluate the Purchaser's financial status.

3. SHIPMENT. Shipment will only be made by the method of the Supplier's choice, unless otherwise agreed. Shipment will be made to any one of the Purchaser's permanent addresses. Every effort will be made to effect delivery on the delivery date communicated, or to any programme of dates agreed. However, no guarantee of delivery dates can be given and time of delivery is not of the essence of the contract. Failure to deliver on the communicated date shall not invalidate the contract or any remaining or outstanding deliveries.

4. PAYMENT. All monies are due to be paid not later than 30 days from the end of the month following the date of invoice, unless otherwise agreed in writing. Payments shall become immediately due upon commencement of any proceedings or any commission of any act in which the Purchaser's insolvency is involved.

5. TITLE TO GOODS. Until the Supplier has been paid in full for goods comprised in the order or in any other sales contract between the Supplier and the Purchaser or until title to goods is in terms relinquished to the Purchaser by the Supplier by writing under the personal hand of a / the Director of the Supplier;
a) The goods comprised in the order remain the Supplier's property and the Supplier reserves the right to dispose of the goods as the Supplier sees fit.
b) The Supplier may repossess (and for this purpose follow or trace) the goods at any time from the Purchaser, if in his possession, if the Supplier considers the amount outstanding is in excess of the credit limit and overdue for payment. The Supplier, its servants and agents may enter the Purchaser's premises where the Supplier has reason to believe any of the goods are situated.
c) The Purchaser as bailee undertakes to keep the goods safe and in good order and condition and clearly identified as the Supplier's property.
d) Should the Purchaser have passed the goods or any part of them to a third party (or have incorporated them in work for a third party) this will be deemed to have been done as the Supplier's agent only and any sums received by the Purchaser in respect of such goods or such work shall be held in trust for the supplier until all sums due to the Supplier are discharged.
e) Upon commission of any act of bankruptcy by an individual Purchaser the immediate repossession of the goods shall forthwith, automatically, revert to the Supplier.
f) All costs (including legal fees) occasioned in the recovery of goods shall be paid by the Purchaser.

6. WARRANTY. A warranty applies only to the Purchaser from the Supplier and where the goods are covered by a warranty. The warranty period for goods is 3 years, except for fully functional domes and recording equipment hard drives where the warranty is 1 year. The terms of such warranty shall be deemed to be part of these conditions. The Supplier warrants all goods to be free from defects in material and workmanship under normal use, provided the products have been installed and operated in accordance with the instruction manual.
The commencement date for all warranties is the date of delivery to the Purchaser from the Supplier. The Supplier makes no other warranty, express or implicit, with respect to the goods, their marketability, quality or fitness for any particular use or purpose. In particular, but without prejudice, to the general provisions of these conditions no responsibility is assumed for incidental or consequential damage by reason of any warranty expressed or implied.

7. CLAIMS. Claims may be made subject to the Purchaser;
a) Examining the goods on their delivery for any obvious damage or shortage and reporting any damage or short delivery in writing to the Supplier and the carrier within five days of the delivery date.
b) Reporting non-delivery by telephone (and confirmed in writing) to the Supplier-within 10 days of the invoice date or expected delivery date. If the Purchaser fails to give notice or to report in accordance with these terms or shall deal with goods in any manner or if there shall be any conduct by the Purchaser inconsistent with rejection of the Goods, then the Goods of the quality specified in the contract shall be deemed to have been delivered to the Purchaser. No claim or rejection, properly made pursuant to these Conditions of Supply in respect of any part delivery of Goods shall be a ground for cancellation of the contract or order.

8. RETURNS. Returns for credit are only permitted after the Supplier has provided a Returns Authorisation (RA) number. Such returns must be sent to the Supplier with freight paid in an unused condition. A re-stocking charge of up to 15% will be applied to all returns. A higher rate may apply if the return requires re-packaging. Returns on products over 3 years old will not be accepted. No software on which seals have been broken can be returned for credit. Please note Software Licenses are non-returnable.

9. RIGHT OF CANCELLATION. Rights of cancellation of the Supplier will become operable if the Purchaser should fail to meet his obligations as they fall due for any reason or if any distress or execution shall be levied upon the Purchaser's property or if the Purchaser shall commit an act of bankruptcy or being a limited company any resolution or petition to wind up its business shall be passed or presented (excepting winding-up for the purposes of reconstruction) or if a receiver of such company's undertaking property or assets shall be reimbursed for any fair and reasonable costs occasioned due to such cancellation.

10. LIABILITY. The Supplier shall under no circumstances be liable for any consequential or indirect damage or loss, however caused, including (but not restricted to) loss of profits, loss of goodwill, damage to trading relationships and financial loss. The Supplier's liability in respect of all other losses shall be limited to the invoiced value of the relevant order.

11. FORCE MAJEURE. The Supplier shall not be responsible or liable for its failure to perform it obligations, if such failure is beyond the control of the Supplier, whether caused by acts of God, unavailability or shortages of materials or energy necessary to produce and/or deliver goods by usual modes of transportation, fire, flood, war, embargo, strikes, labour disputes, explosions, riots, of Laws, rule regulations, restrictions or orders of any Governmental authority, or any other cause, other than financial, beyond the control of the Supplier and its suppliers.

12. RELATIONSHIPS. Relationship is that of the Supplier and Purchaser, and neither the Supplier or the Purchaser nor any of their employees, customers or agents shall be deemed to be the representative, agent or employee of the other for any purpose whatsoever, nor shall any of them have any right or authority to assume or create an obligation of any kind or nature, express or implied, on behalf of the other, nor to accept service of any legal process addressed to or intended for the other, not to pledge the other's credit. The Purchaser warrants and represents that there is no legal impediment preventing acceptance of these terms and conditions of supply and that the acceptance of these has been duly authorised and that the obligations do not conflict with or violate any terms or conditions of any other agreement or commitment by the Purchaser.

13. ARBITRATION. These Terms & Conditions are governed by German law. Any dispute not settled by the parties shall be submitted to arbitration at the Düsseldorf Chamber of Commerce in Germany and shall be settled according to the laws of Germany.

14. ADVANCED REPLACEMENTS AND REPAIRS. Advanced replacements only apply on products which are no older than 3 months of the invoice date. Repairs only apply on products which are no older than their warranty period of 1 or 3 years.

15. ERRORS AND OMISSIONS. The Supplier makes every effort to ensure that all prices and descriptions quoted in printed form and on its website are correct and accurate. In the case of an error or omission, the Supplier will be entitled to rescind the contract, notwithstanding that he has already accepted the Purchasers order, and the Supplier's liability in that event will be limited to the return of any money the Purchaser has paid in respect of that order.

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